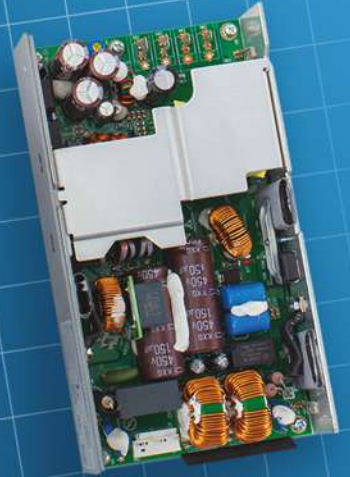




COMPACT  
SIZE



GREEN & HIGH  
EFFICIENCY



# Standard Power Supplies







## | ABOUT DELTA

Delta was founded in 1971 and has been the global leader in switching power supply solutions since 2002 and DC brushless fans since 2006. Delta offers some of the most energy efficient power products in the industry, including switching power supplies with efficient over 90%, telecom power with up to 98%, and PV inverters with up to 98.8% efficient. We have also developed the world's first server power supply certified as 80 Plus Titanium with over 96% efficient. We regularly invest 6% to 7% of our annual sales revenues in R&D and have worldwide R&D facilities in Taiwan, China, Europe, India, Japan, Singapore, Thailand, and the U.S.

## | BUSINESS CATEGORIES



### Power Electronics

- Components
- Embedded Power
- Fan & Thermal Management
- Automotive Electronics
- Merchant & Mobile Power

**Innervie**



### Automation

- Industrial Automation
- Building Automation



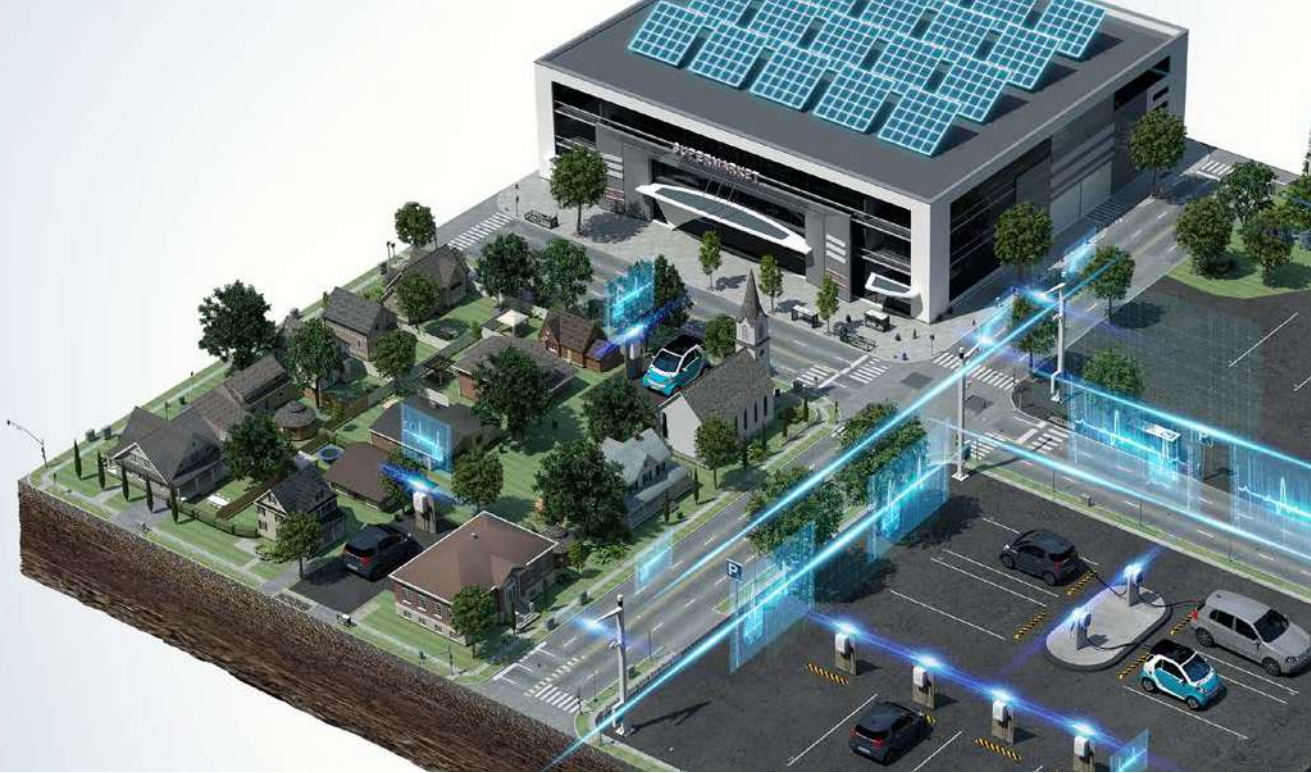
### Infrastructure

- ICT Infrastructure
- Energy Infrastructure & Industrial Solutions

**vivitek**  
Vivid Color. Vivid Life.

 **DELTA**  
Smarter. Greener. Together.





# INDEX

|                                       |              |
|---------------------------------------|--------------|
| <b>Applications</b> .....             | <b>1-2</b>   |
| <b>Latest Products</b> .....          | <b>3</b>     |
| <b>New Series Introduction</b> .....  | <b>4</b>     |
| <b>Product Selection Guide</b> .....  | <b>5-14</b>  |
| <b>Product Overview</b> .....         | <b>15-16</b> |
| <b>DIN Rail Power Supply</b> .....    | <b>17-38</b> |
| CIIQ (15W - 480W) .....               | 19-20        |
| CIIQ II (60W - 960W) .....            | 21-25        |
| CIIQ III (120W - 480W) .....          | 26           |
| CIIQ M (81.6W - 960W) .....           | 27-29        |
| CIIQ VA (120W - 480W) .....           | 30           |
| LYTE (75W - 480W) .....               | 31           |
| LYTE II (120W - 240W) .....           | 32-34        |
| CHROME (7.5W - 91.2W) .....           | 35-36        |
| SYNC (15W - 91.2W) .....              | 37-38        |
| <b>Panel Mount Power Supply</b> ..... | <b>39-64</b> |
| PMT2 (36W - 350.4W) .....             | 41-51        |
| PMC (15W - 600W) .....                | 52-58        |
| PMF (240W - 320W) .....               | 59           |
| PMR (252W - 300W) .....               | 60-61        |
| PMU (151W) .....                      | 62           |
| MEB (500W - 1,200W) .....             | 63-64        |
| <b>Open Frame Power Supply</b> .....  | <b>65-77</b> |
| PJT (40W - 150W) .....                | 67-70        |
| PJ (15W - 150W) .....                 | 71-73        |
| PJB (100W - 300W) .....               | 74           |
| PJH (300W) .....                      | 75           |
| PJU (60W) .....                       | 76           |
| PJL (200W - 600W) .....               | 77           |



|   |              |
|---|--------------|
| <b>DIN Rail Modules</b> .....               | <b>78-82</b> |
| CliQ II Redundancy Modules (20A, 40A) ..... | 79           |
| CliQ II Buffer Modules (20A, 40A) .....     | 80           |
| CliQ II DC-UPS Module (20A) .....           | 81           |
| Chrome DC-UPS Module (10A) .....            | 82           |
| <b>Adapter</b> .....                        | <b>83-87</b> |
| ADT (60W - 150W) .....                      | 84-87        |
| <b>Alternate Model List</b> .....           | <b>88</b>    |
| <b>Accessories</b> .....                    | <b>89</b>    |
| <b>FAQs</b> .....                           | <b>90</b>    |
| <b>Standards &amp; Approvals</b> .....      | <b>91-96</b> |
| <b>More Information</b> .....               | <b>97</b>    |
| <b>Notes</b> .....                          | <b>98-99</b> |


# APPLICATIONS


Delta offers an extensive range of standard power supplies in DIN Rail, Panel Mount and Open Frame form factors. For sophisticated and critical applications, Delta offers specific features such as Advanced Power Boost, efficiency levels up to 94%, PMBus communication and more. The fast expanding portfolio offers various solutions in the Industrial, Medical and LED lighting segments.


The application examples below highlight some of the key power supply series suitable to meet the system requirements.


## Applicable Series

 CliQ III, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMU, PJT, PJ, PJU

 CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT, PMT2, PMC, PMF, PMU

 CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMF, PMU, PJT, PJ, PJB, MEB

 CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMF, PMU, PJT, PJ, PJB, MEB

 CHROME, SYNC, PMT2, PMC, PJT, PJ, PJB, MEB

 PMC, PMF, PMR, PJL

 CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, PMC

 MEB

 PMT2, PMC, PMF, PJT, PJ, PJB, PJH, PJU



## Building Automation

- Escalator & Elevator
- CCTV Surveillance
- HVAC Control



## Process Automation

- Petrochemicals Plant
- Waste Water Treatment
- Oil Refinery



## Factory Automation

- Packaging Machine
- Wave Soldering Machine
- Conveyor Systems





### Machine Automation

- Robotic Arm
- Injection Molding Machine



### Renewable Energy

- Wind Turbine
- Solar Tracker System



### Test & Measurement

- Spectrum Analyzers
- AC Power Source
- Oscillators



### Medical Equipment

- Medical Beds
- Portable Oxygen Concentrator
- Dialysis Equipment



### LED Lighting

- Stage Lighting
- Signage



### Food & Beverage

- Coffee Machine
- Vending Machine
- Kiosk

# | LATEST PRODUCTS

## PMT2

Panel Mount with Low Profile Design (30mm)

**Output Voltage:** 12V - 48V, Dual Output

**Output Power:** 75W, 150W, 200W

PAGES 42-43, 45-46, 48, 50-51



## PMC

Compact Panel Mount with Remote Sense

**Output Voltage:** 24V

**Output Power:** 600W

PAGE 57



## MEB

Panel Mount for Medical, ITE and Home Appliances

**Output Voltage:** 24V, 48V

**Output Power:** 750W

PAGE 63



## PJL

Open Frame for Lighting Applications

**Output Voltage:** 48V

**Output Power:** 600W

PAGE 77



## ADT

Meet DoE Level VI and CoC Tier 2 Energy Efficiency

**Output Voltage:** 19V, 24V

**Output Power:** 120W, 150W

PAGES 85, 87





# | NEW SERIES INTRODUCTION

## LYTE II

12V, 24V, 48V Output



### Complete Output Voltage 12V, 24V, 48V

The LYTE II series has 12V, 24V and 48V output voltage with 120W and 240W output power.



### Universal AC Input Voltage Range

The universal AC input voltage range feature makes LYTE II power supplies useful for a variety of applications.



### -30°C to +70°C Operating Temperature Range

The LYTE II series power supplies are able to cold start at -40°C and operate at -30°C to +70°C, meaning they can withstand extremely harsh environments.



### < 0.3W No Load Power Consumption\*

Minimum < 0.3W no load power consumption prevents energy wastage.



### Compact Design and High Power Density\*

The new model is 30% smaller and offers a high power density of 4.14W / inch<sup>3</sup>.



### Conforms with Complete Certification\*

The LYTE II series conforms to IEC 60950-1, IEC/EN/UL 62368-1, IEC/EN 61010-1 & IEC/EN 61010-2-201 certification, and multinational standards.



### Compliance with SEMI F47 @ 200Vac

SEMI F47 certification makes the LYTE II series ideal for applications in the semiconductor industry.



### Meets DOE VI Standards\*

Meets DOE VI standards for its high power efficiency.

\* Support 120W/240W Model

# PRODUCT SELECTION GUIDE

## Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type          | Series  | Model Name      | Phase |   |   | PFC | Output Voltage | Output Current | Output Power                          | Input Voltage Range*                  | Page                                 |     |   |    |
|-----------------------|---|-----------------|-------|---|---|-----|----------------|----------------|---------------------------------------|---------------------------------------|--------------------------------------|-----|---|----|
|                       |   |                 | 1     | 2 | 3 |     |                |                |                                       |                                       |                                      |     |   |    |
| DIN Rail Power Supply | CliQ<br>• Terminal block<br>• Power Boost up to 3s (except DRP-24V48W1AZ)   | DRP012V015W1A□  | •     |   |   |     | 12V            | 1.25A          | 15W                                   | 85-264Vac (DC input range 120-375Vdc) | 19                                   |     |   |    |
|                       |   | DRP012V030W1A□  | •     |   |   |     |                | 2.5A           | 30W                                   |                                       |                                      |     |   |    |
|                       |   | DRP012V060W1AA  | •     |   |   |     |                | 5.0A           | 60W                                   |                                       |                                      |     |   |    |
|                       |   | DRP012V100W1AA  | •     |   |   |     |                | 8.33A          | 100W                                  |                                       |                                      |     |   |    |
|                       |   | DRP-24V48W1AZ   | •     |   |   |     |                | 24V            | 2.0A                                  |                                       |                                      | 48W | 85-264Vac (DC input range 120-375Vdc)   | 20 |
|                       |   | DRP024V060W1AZ  | •     |   |   |     |                | 2.5A           | 60W                                   |                                       |                                      |     |   |    |
|                       |   | DRP024V060W1AA  | •     |   |   |     |                | 2.5A           | 60W                                   |                                       |                                      |     |   |    |
|                       |   | DRP024V120W1AA  | •     |   |   | •   |                | 5.0A           | 120W                                  |                                       |                                      |     |   |    |
|                       |   | DRP024V240W1AA  | •     |   |   | •   |                | 10.0A          | 240W                                  |                                       |                                      |     |   |    |
|                       | DRP024V480W1AA  | •               |       |   | • |     | 20.0A          | 480W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V060W1B□  | •               |       |   |   |     | 24V            | 2.5A           | 60W                                   | 85-264Vac (DC input range 120-375Vdc) | 21                                   |     |   |    |
|                       | DRP024V120W1B□  | •               |       |   |   |     | 5.0A           | 120W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V240W1B□  | •               |       |   | • |     | 10.0A          | 240W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V480W1B□  | •               |       |   | • |     | 20.0A          | 480W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V060W1N□  | •               |       |   |   |     | 2.5A           | 60W            | 85-264Vac (DC input range 120-375Vdc) |                                       |                                      | 22  |   |    |
|                       | DRP-24V100W1NN  | •               |       |   | • |     | 3.8A           | 91.2W          |                                       |                                       |                                      |     |   |    |
|                       | DRP-24V120W2BN  | •               | •     |   |   |     | 5.0A           | 120W           |                                       |                                       |                                      |     | 2 × 180-550Vac or 180-305Vac (Single Phase)<br>(DC input range 254-780Vdc)  | 23 |
|                       | DRP-24V240W2BN  | •               | •     |   | • |     | 10.0A          | 240W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V060W3B□  |                 | •     | • |   |     | 2.5A           | 60W            |                                       |                                       |                                      |     | 3 × 320-600Vac or 2 × 360-600Vac<br>(DC input range 450-800Vdc)<br><br>For 960W:<br>3 × 320-600Vac or 2 × 380-600Vac<br>(DC input range 450-800Vdc) | 24 |
|                       | DRP024V120W3B□  |                 | •     | • |   |     | 5.0A           | 120W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V240W3B□  |                 | •     | • |   |     | 10.0A          | 240W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V480W3B□  |                 | •     | • | • |     | 20.0A          | 480W           |                                       |                                       |                                      |     |   |    |
|                       | DRP024V960W3BN  |                 | •     | • | • |     | 40.0A          | 960W           |                                       |                                       |                                      |     |   |    |
|                       | DRP048V060W1B□  | •               |       |   |   |     | 48V            | 1.25A          | 60W                                   | 85-264Vac (DC input range 120-375Vdc) | 25                                   |     |   |    |
|                       | DRP048V120W1B□  | •               |       |   | • |     | 2.5A           | 120W           |                                       |                                       |                                      |     |   |    |
|                       | DRP048V240W1B□  | •               |       |   | • |     | 5.0A           | 240W           |                                       |                                       |                                      |     |   |    |
|                       | DRP048V480W1B□  | •               |       |   | • |     | 10.0A          | 480W           |                                       |                                       |                                      |     |   |    |
|                       | CliQ III<br>• Slim design with high power density<br>• Power Boost up to 5s | DRP-24V120W1CAN | •     |   |   | •   | 24V            | 5.0A           | 120W                                  | 88-264Vac                             | 88-264Vac (DC input range 88-375Vdc) | 26  |   |    |
|                       |   | DRP-24V120W1CBN | •     |   |   | •   |                | 5.0A           | 120W                                  | 88-264Vac                             |                                      |     |   |    |
|                       |   | DRP-24V240W1CAN | •     |   |   | •   |                | 10.0A          | 240W                                  | 88-264Vac                             |                                      |     |   |    |
|                       |   | DRP-24V240W1CBN | •     |   |   | •   |                | 10.0A          | 240W                                  | 88-264Vac (DC input range 88-375Vdc)  |                                      |     |   |    |
|                       |   | DRP-24V480W1CAN | •     |   |   | •   |                | 20.0A          | 480W                                  | 88-264Vac                             |                                      |     |   |    |
|                       |   | DRP-24V480W1CBN | •     |   |   | •   |                | 20.0A          | 480W                                  | 88-264Vac (DC input range 88-375Vdc)  |                                      |     |   |    |

\* DC input is certified for selected models

### DIN Rail Power Supply Model Numbering

| DR       | P                                | XXXV           | XXXW         | □   | □  | □  |
|----------|----------------------------------|----------------|--------------|---|--|--|
| DIN Rail | Product Type<br>P - Power Supply | Output Voltage | Output Power | Phase Input<br>1 - Single Phase<br>2 - Two Phase<br>3 - Three Phase | A - CliQ Series<br>B - CliQ II Series<br>N - NEC Class 2 | A - Metal case, with Class I, Div 2 and ATEX approvals<br>N - Metal case, without Class I, Div 2 and ATEX approvals<br>Y - Plastic case, with Class I, Div 2 and ATEX approvals<br>Z - Plastic case, without Class I, Div 2 and ATEX approvals |
| DR       | P -                              | XXV            | XXXW         | 1   | C  | □  |
| DIN Rail | Product Type<br>P - Power Supply | Output Voltage | Output Power | Phase Input<br>1 - Single Phase                                     | C - CliQ III Series                                      | Input Voltage<br>A - AC Input<br>B - AC & DC Input   |
|          |                                  |                |              |   |  | N - Metal case, without Class I, Div 2 and ATEX approvals  |

# Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type          | Series  | Model Name      | Phase |   |   | PFC | Output Voltage | Output Current | Output Power | Input Voltage Range*                  | Page      |
|-----------------------|---|-----------------|-------|---|---|-----|----------------|----------------|--------------|---------------------------------------|-----------|
|                       |   |                 | 1     | 2 | 3 |     |                |                |              |                                       |           |
| DIN Rail Power Supply | CliQ M <ul style="list-style-type: none"> <li>Slim design with high power density</li> <li>Advanced Power Boost</li> <li>Maritime approvals</li> </ul>      | DRM-24V80W1PN   | •     |   |   | •   | 24V            | 3.4A           | 81.6W        | 85-276Vac (DC input range 88-375Vdc)  | 27        |
|                       |   | DRM-24V120W1PN  | •     |   |   | •   |                | 5.0A           | 120W         | 85-264Vac (DC input range 88-375Vdc)  |           |
|                       |   | DRM-24V240W1PN  | •     |   |   | •   |                | 10.0A          | 240W         | 85-276Vac (DC input range 88-375Vdc)  |           |
|                       |   | DRM-24V480W1PN  | •     |   |   | •   |                | 20.0A          | 480W         |                                       |           |
|                       |   | DRM-24V960W1PN  | •     |   |   | •   |                | 40.0A          | 960W         | 85-264Vac                             |           |
|                       |   | DRM-24V480W1SN  | •     |   |   | •   |                | 20.0A          | 480W         | 85-276Vac (DC input range 88-375Vdc)  |           |
|                       |   | DRM-24V480W3PN  |       | • | • |     | •              | 20.0A          | 480W         | 3 × 320-600Vac or 2 × 380-600Vac      |           |
|                       |   | DRM-24V960W3PN  |       | • | • |     | •              | 40.0A          | 960W         |                                       |           |
|                       | CliQ VA <ul style="list-style-type: none"> <li>Smart monitoring function</li> <li>Advanced Power Boost</li> </ul>   | DRV-24V120W1PN  | •     |   |   | •   | 24V            | 5.0A           | 120W         | 85-264Vac (DC input range 88-375Vdc)  | 30        |
|                       |   | DRV-24V240W1PN  | •     |   |   | •   |                | 10.0A          | 240W         | 85-276Vac (DC input range 88-375Vdc)  |           |
|                       |   | DRV-24V480W1PN  | •     |   |   | •   |                | 20.0A          | 480W         |                                       |           |
|                       | LYTE <ul style="list-style-type: none"> <li>Competitively priced</li> <li>Built-in constant current circuit</li> </ul>                                      | DRL-12V75W1AZ   | •     |   |   |     | 12V            | 6.25A          | 75W          | 85-264Vac                             | 31        |
|                       |   | DRL-24V75W1AZ   | •     |   |   |     | 24V            | 3.125A         | 75W          |                                       |           |
|                       |   | DRL-24V480W1A□  | •     |   |   | •   |                | 20.0A          | 480W         | 85-264Vac (DC input range 120-375Vdc) |           |
|                       |   | DRL-48V75W1AZ   | •     |   |   |     |                | 48V            | 1.57A        | 75.36W                                |           |
|                       | LYTE II <ul style="list-style-type: none"> <li>Extreme slim width</li> <li>Reduced no-load power consumption</li> <li>Wide operating temperature</li> </ul> | DRL-12V120W1EN  | •     |   |   |     | 12V            | 10.0A          | 120W         | 90-264Vac                             | 32        |
|                       |   | DRL-12V240W1EN  | •     |   |   | •   |                | 20.0A          | 240W         |                                       |           |
|                       |   | DRL-24V120W1EN□ | •     |   |   |     |                | 24V            | 5.0A         | 120W                                  | 90-264Vac |
| DRL-24V240W1EN□       |   | •               |       |   | • |     |                | 10.0A          | 240W         |                                       |           |
| DRL-48V120W1EN        |   | •               |       |   |   |     | 48V            | 2.5A           | 120W         | 90-264Vac                             | 34        |
| DRL-48V240W1EN        |   | •               |       |   | • |     |                | 5.0A           | 240W         |                                       |           |

\* DC input is certified for selected models

## DIN Rail Power Supply Model Numbering

|           |                                      |                |              |  |   |   |  |
|-----------|--------------------------------------|----------------|--------------|--|---|---|--|
| <b>DR</b> | <b>M –</b>                           | <b>XXV</b>     | <b>XXXW</b>  | <b>□</b>   | <b>□</b>                                    | <b>N</b>  |  |
| DIN Rail  | Product Series<br>M - CliQ M Series  | Output Voltage | Output Power | Phase Input<br>1 - Single Phase<br>3 - Three Phase | P - Advanced Power Boost (APB)<br>S - SIL 3 | N - Metal case, without Class I, Div 2 and ATEX approvals   |  |
| <b>DR</b> | <b>V –</b>                           | <b>XXV</b>     | <b>XXXW</b>  | <b>1</b>   | <b>P</b>                                    | <b>N</b>  |  |
| DIN Rail  | Product Series<br>V - CliQ VA Series | Output Voltage | Output Power | Phase Input<br>1 - Single Phase                    | P - Advanced Power Boost (APB)              | N - Metal case, without Class I, Div 2 and ATEX approvals   |  |
| <b>DR</b> | <b>L –</b>                           | <b>XXV</b>     | <b>XXXW</b>  | <b>1</b>   | <b>A</b>                                    | <b>□</b>  |  |
| DIN Rail  | Product Type<br>L - LYTE Family      | Output Voltage | Output Power | Phase Input<br>1 - Single Phase                    | A - LYTE Series with Standard Bracket       | A - Metal case without DC OK Relay Contact<br>S - Metal case with DC OK Relay Contact<br>Z - Plastic case without DC OK Relay Contact |  |
| <b>DR</b> | <b>L –</b>                           | <b>XXV</b>     | <b>XXXW</b>  | <b>1</b>   | <b>E</b>                                    | <b>N</b>  | <b>□</b>   |
| DIN Rail  | Product Type<br>L - LYTE Family      | Output Voltage | Output Power | Phase Input<br>1 - Single Phase                    | E - LYTE II Series with Slim Design         | N - No DC OK Relay Contact  | Blank - No coating<br>A - With coating <sup>1)</sup> |

1) 24V model only



# PRODUCT SELECTION GUIDE

## Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type          | Series   | Model Name     | Phase |      | Output Voltage | Output Current                        | Output Power                          | Input Voltage Range*                  | Page      |    |
|-----------------------|--|----------------|-------|------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------|----|
|                       |  |                | 1     | PFC  |                |                                       |                                       |                                       |           |    |
| DIN Rail Power Supply | CHROME <ul style="list-style-type: none"> <li>• Compact</li> <li>• Class II double isolation</li> <li>• NEC Class 2</li> </ul> | DRC-5V10W1A□   | •     |      | 5V             | 1.5A                                  | 7.5W                                  | 90-264Vac                             | 35        |    |
|                       |  | DRC-12V10W1A□  | •     |      | 12V            | 0.83A                                 | 10W                                   |                                       |           |    |
|                       |  | DRC-12V30W1A□  | •     |      |                | 2.1A                                  | 25.2W                                 |                                       |           |    |
|                       |  | DRC-12V60W1A□  | •     |      |                | 4.5A                                  | 54W                                   |                                       |           |    |
|                       |  | DRC-12V60W1CZ  | •     |      | 4.5A           | 54W                                   | 90-264Vac (DC input range 125-375Vdc) |                                       |           |    |
|                       |  | DRC-12V100W1AZ | •     |      | 6.0A           | 72W                                   | 90-264Vac                             |                                       |           |    |
|                       |  | DRC-24V10W1A□  | •     |      | 24V            | 0.42A                                 | 10W                                   | 90-264Vac                             |           | 36 |
|                       |  | DRC-24V10W1HZ  | •     |      |                | 0.42A                                 | 10W                                   |                                       |           |    |
|                       |  | DRC-24V30W1A□  | •     |      |                | 1.25A                                 | 30W                                   |                                       |           |    |
|                       | DRC-24V60W1A□  | •              |       | 2.5A | 60W            |                                       |                                       |                                       |           |    |
|                       | DRC-24V100W1A□   | •              |       | 3.8A | 91.2W          | 90-264Vac (DC input range 125-375Vdc) |                                       |                                       |           |    |
|                       | SYNC <ul style="list-style-type: none"> <li>• Compact</li> <li>• NEC Class 2</li> <li>• Competitively priced</li> </ul>        | DRS-5V30W1NZ   | •     |      | 5V             | 3.0A                                  | 15W                                   | 85-264Vac (DC input range 120-375Vdc) | 37        |    |
|                       |  | DRS-5V50W1A□   | •     |      | 5V             | 6.0A                                  | 30W                                   |                                       |           |    |
|                       |  | DRS-5V50W1N□   | •     |      |                | 5.0A                                  | 25W                                   |                                       |           |    |
|                       |  | DRS-12V50W1N□  | •     |      |                | 12V                                   | 4.0A                                  | 48W                                   | 85-264Vac |    |
|                       |  | DRS-24V30W1AZ  | •     |      | 24V            | 1.25A                                 | 30W                                   | 85-264Vac (DC input range 120-375Vdc) | 38        |    |
|                       |  | DRS-24V30W1NZ  | •     |      |                | 1.25A                                 | 30W                                   |                                       |           |    |
|                       |  | DRS-24V50W1N□  | •     |      |                | 2.1A                                  | 50W                                   |                                       |           |    |
| DRS-24V100W1A□        |  | •              | •     | 4.0A | 96W            |                                       |                                       |                                       |           |    |
| DRS-24V100W1N□        |  | •              | •     | 3.8A | 91.2W          |                                       |                                       |                                       |           |    |

\* DC input is certified for selected models

### DIN Rail Power Supply Model Numbering

| DR       | C –   | XXV            | XXXW         | 1                               | □   | □   |
|----------|---|----------------|--------------|---------------------------------|---|---|
| DIN Rail | Product Type<br>C - Isolation Class II Power Supply | Output Voltage | Output Power | Phase Input<br>1 - Single Phase | A - No PFC<br>C - AC & DC Input, No PFC<br>H - Household Approval | Z - Black plastic case<br>G - Grey plastic case<br>C - Black plastic case, with conformal coating <sup>1)</sup> |

1) Options for DRC-12V60W1A□, DRC-24V60W1A□ and DRC-24V100W1A□ only

| DR       | S –                               | XXV            | XXXW         | 1                               | □                                      | □   |
|----------|-----------------------------------|----------------|--------------|---------------------------------|--|---|
| DIN Rail | Product Series<br>S - Sync Series | Output Voltage | Output Power | Phase Input<br>1 - Single Phase | A - Non NEC Class 2<br>N - NEC Class 2 | Z - Without DC OK Relay Contact<br>R - With DC OK Relay Contact |

| Product Type             | Series   | Model Name      | Phase |     | Output Voltage | Output Current | Output Power                                 | Input Voltage Range | Page |    |  |
|--------------------------|--|-----------------|-------|-----|----------------|----------------|--|---------------------|------|----|--|
|                          |  |                 | 1     | PFC |                |                |  |                     |      |    |  |
| Panel Mount Power Supply | PMT2 <ul style="list-style-type: none"> <li>• IEC 60335, IEC 61558 approvals</li> <li>• Low profile 30mm height</li> </ul> | PMT-12V35W2BA□  | •     |     | 12V            | 3.0A           | 36W  | 90-264Vac           | 41   |    |  |
|                          |  | PMT-12V50W2BA□  | •     |     |                | 4.2A           | 50.4W  |                     |      |    |  |
|                          |  | PMT-12V75W2BA□  | •     |     |                | 6.0A           | 72W  |                     |      |    |  |
|                          |  | PMT-12V100W2BA□ | •     |     | 8.5A           | 102W           |  |                     |      |    |  |
|                          |  | PMT-12V150W2BA□ | •     |     | 12.5A          | 150W           | 90-132Vac, 180-264Vac (Selectable by Switch) |                     |      |    |  |
|                          |  | PMT-12V150W2CA□ | •     |     | 12.5A          | 150W           | 90-264Vac                                    |                     |      |    |  |
|                          |  | PMT-12V200W2BM□ | •     |     | 17.0A          | 204W           | 90-132Vac, 180-264Vac (Selectable by Switch) |                     |      |    |  |
|                          |  | PMT-12V200W2BR□ | •     |     | 17.0A          | 204W           |  |                     |      |    |  |
|                          |  | PMT-12V350W2BM□ | •     |     | 29.0A          | 348W           |  |                     |      |    |  |
|                          |  | PMT-12V350W2BR□ | •     |     | 29.0A          | 348W           |  |                     |      |    |  |
|                          |  | PMT-15V35W2BA   | •     |     | 15V            | 2.4A           | 36W  | 90-264Vac           |      | 43 |  |
|                          |  | PMT-15V50W2BA   | •     |     |                | 3.4A           | 51W  |                     |      |    |  |
|                          |  | PMT-15V75W2BA   | •     |     |                | 5.0A           | 75W  |                     |      |    |  |
|                          |  | PMT-15V100W2BA  | •     |     |                | 7.0A           | 105W   |                     |      |    |  |
|                          |  | PMT-15V150W2BA  | •     |     |                | 10.0A          | 150W   |                     |      |    | 90-132Vac, 180-264Vac (Selectable by Switch) |
|                          |  | PMT-15V150W2CA  | •     |     |                | 10.0A          | 150W   |                     |      |    | 90-264Vac                                    |

# Industrial Power Supplies

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| Product Type             | Series  | Model Name      | Phase | PFC | Output Voltage | Output Current | Output Power                                 | Input Voltage Range                          | Page |
|--------------------------|---|-----------------|-------|-----|----------------|----------------|--|--|------|
|                          |   |                 | 1     |     |                |                |  |  |      |
| Panel Mount Power Supply | PMT2<br>• IEC 60335, IEC 61558 approvals<br>• Low profile 30mm height | PMT-24V35W2BA□  | •     |     | 24V            | 1.5A           | 36W  | 90-264Vac                                    | 44   |
|                          |   | PMT-24V50W2BA□  | •     |     |                | 2.2A           | 52.8W  |  |      |
|                          |   | PMT-24V75W2BA□  | •     |     |                | 3.2A           | 76.8W  |  |      |
|                          |   | PMT-24V100W2BA□ | •     |     |                | 4.5A           | 108W   |  |      |
|                          |   | PMT-24V150W2BA□ | •     |     | 6.25A          | 150W           | 90-132Vac, 180-264Vac (Selectable by Switch) | 45   |      |
|                          |   | PMT-24V150W2CA□ | •     |     | 6.25A          | 150W           |  |  |      |
|                          |   | PMT-24V200W2BM□ | •     |     | 8.8A           | 211.2W         | 90-132Vac, 180-264Vac (Selectable by Switch) |  |      |
|                          |   | PMT-24V200W2BR□ | •     |     | 8.8A           | 211.2W         |  |  |      |
|                          |   | PMT-24V350W2BM□ | •     |     | 14.6A          | 350.4W         |  |  |      |
|                          |   | PMT-24V350W2BR□ | •     |     | 14.6A          | 350.4W         |  |  |      |
|                          |   | PMT-30V35W2BA   | •     |     | 30V            | 1.2A           | 36W  | 90-264Vac                                    | 46   |
|                          |   | PMT-30V50W2BA   | •     |     |                | 1.7A           | 51W  |  |      |
|                          |   | PMT-30V75W2BA   | •     |     |                | 2.5A           | 75W  |  |      |
|                          |   | PMT-30V100W2BA  | •     |     |                | 3.6A           | 108W   |  |      |
|                          |   | PMT-30V150W2BA  | •     |     | 30V            | 5.0A           | 150W   | 90-132Vac, 180-264Vac (Selectable by Switch) |      |
|                          |   | PMT-30V150W2CA  | •     |     |                | 5.0A           | 150W   | 90-264Vac                                    |      |
|                          |   | PMT-36V35W2BA   | •     |     | 36V            | 1.0A           | 36W  | 90-264Vac                                    | 47   |
|                          |   | PMT-36V50W2BA   | •     |     |                | 1.45A          | 52.2W  |  |      |
|                          |   | PMT-36V75W2BA   | •     |     |                | 2.1A           | 75.6W  |  |      |
|                          |   | PMT-36V100W2BA  | •     |     |                | 3.0A           | 108W   |  |      |
|                          |   | PMT-36V150W2BA  | •     |     | 36V            | 4.3A           | 154.8W                                       | 90-132Vac, 180-264Vac (Selectable by Switch) | 48   |
|                          |   | PMT-36V150W2CA  | •     |     |                | 4.3A           | 154.8W                                       | 90-264Vac                                    |      |
|                          |   | PMT-36V200W2BM  | •     |     | 36V            | 5.9A           | 212.4W                                       | 90-132Vac, 180-264Vac (Selectable by Switch) |      |
|                          |   | PMT-36V200W2BR  | •     |     |                | 5.9A           | 212.4W                                       |  |      |
|                          |   | PMT-36V350W2BM  | •     |     |                | 9.7A           | 349.2W                                       |  |      |
|                          |   | PMT-36V350W2BR  | •     |     |                | 9.7A           | 349.2W                                       |  |      |
|                          |   | PMT-48V35W2BA   | •     |     | 48V            | 0.8A           | 38.4W  | 90-264Vac                                    | 49   |
|                          |   | PMT-48V50W2BA   | •     |     |                | 1.1A           | 52.8W  |  |      |
|                          |   | PMT-48V75W2BA   | •     |     |                | 1.6A           | 76.8A  |  |      |
|                          |   | PMT-48V100W2BA  | •     |     |                | 2.3A           | 110.4W                                       |  |      |
|                          |   | PMT-48V150W2BA  | •     |     | 48V            | 3.3A           | 158.4W                                       | 90-132Vac, 180-264Vac (Selectable by Switch) | 50   |
|                          |   | PMT-48V150W2CA  | •     |     |                | 3.3A           | 158.4W                                       | 90-264Vac                                    |      |
|                          |   | PMT-48V200W2BM  | •     |     | 48V            | 4.4A           | 211.2W                                       | 90-132Vac, 180-264Vac (Selectable by Switch) |      |
|                          |   | PMT-48V200W2BR  | •     |     |                | 4.4A           | 211.2W                                       |  |      |
|                          |   | PMT-48V350W2BM  | •     |     |                | 7.3A           | 350.4W                                       |  |      |
|                          |   | PMT-48V350W2BR  | •     |     |                | 7.3A           | 350.4W                                       |  |      |
|                          |   | PMT-D1V75W2□A   | •     |     | 5V/12V         | 5.0A/4.0A      | 73W  | 90-264Vac                                    | 51   |
|                          |   | PMT-D2V75W2□A   | •     |     | 5V/24V         | 5.0A/2.1A      | 75.4W  |  |      |

## Panel Mount Power Supply Model Numbering

| PM          | T –                          | XXV   | XXXW         | 2                                | □  | □   | CC Code   |
|-------------|------------------------------|---|--------------|----------------------------------|--|---|---|
| Panel Mount | Product Type<br>T - Enclosed | Output Voltage  | Output Power | Single Phase<br>with Low Profile | Family Code<br>For 35-100W<br>B - No PFC, universal<br>input voltage range<br>For 150-350W<br>B - No PFC, input<br>voltage selectable<br>by switch<br>C - No PFC, universal<br>input voltage range | Connector Type<br>Terminal Block<br>A - With TUV, UL, CE,<br>CCC, KC, EAC<br>M - With UL, EAC<br>R - With TUV, UL, CE,<br>EAC | Blank - Without<br>connector cover<br>B - With conformal<br>coating <sup>1)</sup><br>C - With connector<br>cover and<br>conformal coating <sup>1)</sup> |
| PM          | T –                          | XXV   | XXXW         | 2                                | □  | A   |   |
| Panel Mount | Product Type<br>T - Enclosed | Output Voltage<br>Dual Output<br>D1 - 5V / 12V<br>D2 - 5V / 24V | Output Power | Single Phase<br>with Low Profile | Family Code<br>B - No PFC,<br>Non-Isolated<br>C - No PFC, Isolated   | Connector Type<br>A - Terminal Block  |   |

<sup>1)</sup> Options for 12V and 24V models only

# PRODUCT SELECTION GUIDE

## | Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type             | Series                                   | Model Name     | Phase         | PFC    | Output Voltage | Output Current | Output Power                          | Input Voltage Range*                  | Page      |  |
|--------------------------|--|----------------|---------------|--------|----------------|----------------|---------------------------------------|---------------------------------------|-----------|--|
|                          |  |                | 1             |        |                |                |                                       |                                       |           |  |
| Panel Mount Power Supply | PMC<br>• Universal AC input voltage      | PMC-05V015W1AA | •             |        | 5V             | 3.0A           | 15W                                   | 85-264Vac (DC input range 125-375Vdc) | 52        |  |
|                          |  | PMC-05V035W1A□ | •             |        |                | 7.0A           | 35W                                   |                                       |           |  |
|                          |  | PMC-05V050W1AA | •             |        |                | 10.0A          | 50W                                   |                                       |           |  |
|                          |  | PMC-12V035W1A□ | •             |        | 12V            | 3.0A           | 35W                                   | 85-264Vac (DC input range 125-375Vdc) | 53        |  |
|                          |  | PMC-12V050W1A□ | •             |        |                | 4.17A          | 50W                                   |                                       |           |  |
|                          |  | PMC-12V060W1NA | •             |        |                | 5.0A           | 60W                                   |                                       |           |  |
|                          |  | PMC-12V100W1A□ | •             |        |                | 8.34A          | 100W                                  |                                       |           |  |
|                          |  | PMC-12V150W1B□ | •             | •      | 12V            | 12.5A          | 150W                                  | 85-264Vac (DC input range 125-375Vdc) | 54        |  |
|                          |  | PMC-12V600W1BA | •             | •      |                | 50.0A          | 600W                                  | 85-264Vac (DC input range 120-370Vdc) |           |  |
|                          |  | PMC-24V035W1A□ | •             |        | 24V            | 1.46A          | 35W                                   | 85-264Vac (DC input range 125-375Vdc) | 55        |  |
|                          |  | PMC-24V050W1A□ | •             |        |                | 2.1A           | 50W                                   |                                       |           |  |
|                          |  | PMC-24V075W1A□ | •             |        |                | 3.12A          | 75W                                   |                                       |           |  |
|                          |  | PMC-24V100W1A□ | •             |        |                | 4.17A          | 100W                                  |                                       |           |  |
|                          |  | PMC-24V150W1A□ | •             |        |                | 6.25A          | 150W                                  |                                       |           |  |
|                          |  | PMC-24V150W2AA | •             |        |                | 6.25A          | 150W                                  |                                       |           | 180-264Vac (DC input range 220-375Vdc) |
|                          |  | PMC-24V150W1B□ | •             | •      | 24V            | 6.25A          | 150W                                  | 85-264Vac (DC input range 125-375Vdc) | 56        |  |
|                          |  | PMC-24V300W1BA | •             | •      |                | 12.5A          | 300W                                  |                                       |           |  |
|                          |  | PMC-24V600W1BA | •             | •      | 24V            | 25.0A          | 600W                                  | 85-264Vac (DC input range 120-370Vdc) | 57        |  |
|                          | PMC-24V600W1RW                           | •              | •             | 25.0A  |                | 600W           | 85-264Vac                             |                                       |           |  |
|                          | PMC-DSPV100W1A                           | •              |               | 24V/5V | 2.7A/7.0A      | 100W           | 85-264Vac (DC input range 125-375Vdc) | 58                                    |           |  |
|                          | PMC-48V150W1BA                           | •              | •             | 48V    | 3.125A         | 150W           | 85-264Vac (DC input range 125-375Vdc) |                                       |           |  |
|                          | PMC-48V600W1BA                           | •              | •             |        | 12.5A          | 600W           | 85-264Vac (DC input range 120-370Vdc) |                                       |           |  |
|                          | PMF<br>• Remote ON/OFF<br>• Built-in PFC |                | PMF-4V320WC□□ | •      | •              | 4.2V           | 55.0A                                 | 231W                                  | 85-264Vac | 59                                     |
|                          |  |                | PMF-5V320WC□□ | •      | •              | 5V             | 55.0A                                 | 275W                                  |           |  |
| PMF-24V240WC□□           |  |                | •             | •      | 10.0A          |                | 240W                                  |                                       |           |  |
| PMF-24V320WC□□           |  |                | •             | •      | 13.3A          | 320W           |                                       |                                       |           |  |

\* DC input is certified for selected models

### Panel Mount Power Supply Model Numbering

| PM          | C –                          | XXV            | XXXW                                | □  | □  | □  |
|-------------|------------------------------|----------------|-------------------------------------|--|--|--|
| Panel Mount | Product Type<br>C - Enclosed | Output Voltage | Output Power                        | Phase Input<br>1 - Single Phase, Wide Range Input Voltage<br>2 - Single Phase, High Line Input Voltage | A - No PFC<br>B - With PFC<br>N - NEC Class 2<br>R - With PFC, Remote ON/OFF, Remote Sense | Connector Type<br>A - Terminal Block <sup>3)</sup><br>J - IP20 Connector <sup>1)</sup><br>L - Front Face <sup>1)</sup><br>H - Harness <sup>2)</sup><br>W - Front Face with conformal coating |
| PM          | C –                          | D              | SPV                                 | 100W   | 1  | A  |
| Panel Mount | Product Type<br>C - Enclosed | Dual Output    | Output Voltage<br>S - 24V<br>P - 5V | Output Power   | Phase Input<br>1 - Single Phase  | A - Delta Standard   |

1) Options

2) Options for PMC-12V100W1AH

3) For PMC-05V015W1AA and PMC-□V600W1BA, the connector type is a Front Face connector.

For PMC-24V300W1BA, the connector type is an IP20 connector.

| PM          | F –                              | XXV            | XXXW         | C                            | □  | □  |
|-------------|----------------------------------|----------------|--------------|------------------------------|--|--|
| Panel Mount | Product Series<br>F - PFC Series | Output Voltage | Output Power | Package Type<br>C - Enclosed | Connector Type<br>G - Front Face<br>A - Terminal Block <sup>1)</sup> | Variable<br>B - No Remote ON/OFF<br>R - With Remote ON/OFF <sup>1)</sup> |

1) Options



# Industrial Power Supplies

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| Product Type             | Series                                       | Model Name      | Phase | PFC   | Output Voltage | Output Current                 | Output Power | Input Voltage Range                             | Page |           |    |
|--------------------------|--|-----------------|-------|-------|----------------|--------------------------------|--------------|---|------|-----------|----|
|                          |  |                 | 1     |       |                |                                |              |   |      |           |    |
| Panel Mount Power Supply | PMR<br>• Thickness < 1U<br>• Built-in PFC    | PMR-4V320WC□A   | •     | •     | 4.2V           | 60.0A                          | 252W         | 88-264Vac                                       | 60   |           |    |
|                          |  | PMR-4V320WDAA   | •     | •     |                | 60.0A                          | 252W         |   |      |           |    |
|                          |  | PMR-4V320WDGA   | •     | •     |                | 60.0A                          | 252W         |   |      |           |    |
|                          |  | PMR-4V320WDBA   | •     | •     |                | 60.0A                          | 252W         |   |      |           |    |
|                          |  | PMR-4V320WDCA   | •     | •     |                | 60.0A                          | 252W         |   |      |           |    |
|                          |  | PMR-5V320WC□A   | •     | •     | 5V             | 60.0A                          | 300W         |   |      | 88-264Vac | 61 |
|                          |  | PMR-5V320WDAA   | •     | •     |                | 60.0A                          | 300W         |   |      |           |    |
|                          |  | PMR-5V320WDGA   | •     | •     |                | 60.0A                          | 300W         |   |      |           |    |
|                          |  | PMR-5V320WDBA   | •     | •     |                | 60.0A                          | 300W         |   |      |           |    |
|                          | PMR-5V320WDCA                                | •               | •     | 60.0A |                | 300W                           |              |   |      |           |    |
|                          | PMU<br>• Power supply with integrated DC-UPS | PMU-13V155W□BA  | •     |       | 13.8V          | V1: 9.5A                       | 151W         | 90-132Vac, 180-264Vac<br>(Selectable by Switch) | 62   |           |    |
|                          |  | PMU-13V155W□CA  | •     |       |                | B+: 1.5A                       | 151W         |   |      |           |    |
|                          |  | PMU-27V155W□BA  | •     |       | 27.6V          | Enclosed V1: 4.0A,<br>B+: 1.5A | 151W         |   |      |           |    |
|                          |  | PMU-27V155W□CA  | •     |       |                | L Frame V1: 4.3A,<br>B+: 1.2A  | 151W         |   |      |           |    |
|                          | MEB<br>• Intelligent Fan Speed Control       | MEB-500A24F AA  | •     | •     | 24V            | 21.0A                          | 500W         | 90-264Vac                                       | 63   |           |    |
|                          |  | MEB-750A24B AAA | •     | •     |                | 31.25A                         | 750W         | 85-264Vac                                       |      |           |    |
|                          |  | MEB-750A24T AAA | •     | •     |                | 31.25A                         | 750W         |   |      |           |    |
|                          |  | MEB-750A48B AAA | •     | •     | 48V            | 15.63A                         | 750W         | 85-264Vac                                       |      |           |    |
|                          |  | MEB-750A48T AAA | •     | •     |                | 15.63A                         | 750W         |   |      |           |    |
| MEB-1K2A24T ABA          |  | •               | •     | 24V   | 50.0A          | 1,200W                         | 85-264Vac    | 64  |      |           |    |
| MEB-1K2A42T ABA          |  | •               | •     | 42V   | 28.5A          | 1,200W                         |              |   |      |           |    |
| MEB-1K2A48T ABA          |  | •               | •     | 48V   | 25.0A          | 1,200W                         |              |   |      |           |    |

## Panel Mount Power Supply Model Numbering

| PM          | R –  | XXV            | XXXW         | □   | □  | A                                      |
|-------------|--|----------------|--------------|---|--|--|
| Panel Mount | Product Series<br>R - Standard Rack Type Series (1U) | Output Voltage | Output Power | Package Type<br>C - Enclosed with Fan<br>D - Enclosed without Fan | Connector Type<br>A - Terminal Block<br>B - Terminal Block (Parallel Operation) <sup>1)</sup><br>G - Front Face <sup>2)</sup><br>C - Front Face (Parallel Operation) <sup>1)</sup> | Variable<br>A - With conformal coating |

1) Options for Enclosed without Fan (PMR-□V320WDBA and PMR-□V320WDCA)

2) Options

| PM          | U –  | XXV            | XXXW         | □   | □   | A                                    |
|-------------|--|----------------|--------------|---|---|--------------------------------------|
| Panel Mount | Product Series<br>U - With DC-UPS Function | Output Voltage | Output Power | Package Type<br>C - Enclosed<br>L - L Frame <sup>1)</sup> | Signal<br>B - Without Signal<br>C - With Signal | Connector Type<br>A - Terminal Block |

1) Options

| ME                         | B –          | XXX   | A            | □                                | □                          | □□□  |
|----------------------------|--------------|---|--------------|----------------------------------|----------------------------|--|
| Delta Medical Power Supply | B - Enclosed | Max power wattage in the product series. May be lower at some conditions. | Family Code  | Output Voltage                   | Input Connector Type       | CC Code  |
|                            |              | 500 - 500W  | A - Family A | 24 - 24V                         | F - Front Face             | AA - With Remote ON/OFF, with conformal coating  |
|                            |              | 750 - 750W  |              | 24 - 24V<br>48 - 48V             | B - C14<br>T - US Terminal | AAA - With Remote ON/OFF, with conformal coating |
|                            |              | 1K2 - 1,200W  |              | 24 - 24V<br>42 - 42V<br>48 - 48V | T - US Terminal            | ABA - With Remote ON/OFF, with conformal coating |

# PRODUCT SELECTION GUIDE

## Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type  | Series  | Model Name     | Phase          |       | Output Voltage | Convection                       |                                     | Forced Air     |              | Input Voltage Range | Page      |    |
|---|---|----------------|----------------|-------|----------------|----------------------------------|-------------------------------------|----------------|--------------|---------------------|-----------|----|
|   |   |                | 1              | PFC   |                | Output Current                   | Output Power                        | Output Current | Output Power |                     |           |    |
| Open Frame Power Supply                               | PJT<br>• High efficiency<br>• Small footprint                             | PJT-12V40WBA□  | •              |       | 12V            | 3.33A                            | 40W                                 |                |              | 90-264Vac           | 67        |    |
|   |   | PJT-12V65WBA□  | •              |       |                | 5.0A                             | 60W                                 |                |              |                     |           |    |
|   |   | PJT-12V100WBA□ | •              | •     |                | 8.33A                            | 100W                                |                |              |                     |           |    |
|   |   | PJT-12V100WBB□ | •              |       |                | 6.67A                            | 80W                                 | 8.33A          | 100W         |                     |           |    |
|   |   | PJT-15V40WBA□  | •              |       | 15V            | 2.67A                            | 40W                                 |                |              | 90-264Vac           | 68        |    |
|   |   | PJT-15V65WBA□  | •              |       |                | 4.2A                             | 63W                                 |                |              |                     |           |    |
|   |   | PJT-15V100WBA□ | •              | •     |                | 6.67A                            | 100W                                |                |              |                     |           |    |
|   |   | PJT-15V100WBB□ | •              |       |                | 5.33A                            | 80W                                 | 6.67A          | 100W         |                     |           |    |
|   |   | PJT-18V40WBA□  | •              |       | 18V            | 2.22A                            | 40W                                 |                |              | 90-264Vac           | 69        |    |
|   |   | PJT-18V65WBA□  | •              |       |                | 3.61A                            | 65W                                 |                |              |                     |           |    |
|   |   | PJT-18V100WBA□ | •              | •     |                | 5.55A                            | 100W                                |                |              |                     |           |    |
|   |   | PJT-18V100WBB□ | •              |       |                | 4.44A                            | 80W                                 | 5.55A          | 100W         |                     |           |    |
|   |   | PJT-24V40WBA□  | •              |       | 24V            | 1.66A                            | 40W                                 |                |              | 90-264Vac           | 70        |    |
|   |   | PJT-24V65WBA□  | •              |       |                | 2.71A                            | 65W                                 |                |              |                     |           |    |
|   | PJT-24V100WBA□  | •              | •              | 4.17A |                | 100W                             |                                     |                |              |                     |           |    |
|   | PJT-24V100WBB□  | •              |                | 3.33A |                | 80W                              | 4.17A                               | 100W           |              |                     |           |    |
|   |   |                | PJT-27V150WBNA | •     | •              | V1: 27V<br>V <sub>SB</sub> : 12V | V1: 5.55A<br>V <sub>SB</sub> : 0.5A | 150W           |              |                     | 85-264Vac |    |
|   | PJ<br>• Built-in PFC<br>• Versatile configurations<br>• Conformal coating |                | PJ-12V15W□NA   | •     |                | 12V                              | 1.3A                                | 15.6W          |              |                     | 85-264Vac | 71 |
| PJ-12V30W□NA  |   |                | •              |       | 2.5A           |                                  | 30W                                 |                |              |                     |           |    |
| PJ-12V50W□NA  |   |                | •              | •     | 4.3A           |                                  | 51.6W                               |                |              |                     |           |    |
| PJ-12V100W□□A   |   |                | •              | •     | 8.5A           | 102W                             |                                     |                |              |                     |           |    |
| PJ-12V150W□□A   |   |                | •              | •     | 12.5A          | 150W                             |                                     |                |              |                     |           |    |
| PJ-24V30W□NA  |   |                | •              |       | 24V            | 1.25A                            | 31.2W                               |                |              | 85-264Vac           |           |    |
| PJ-24V50W□NA  |   | •              | •              | 2.1A  |                | 50.4W                            |                                     |                |              |                     |           |    |
| PJ-24V100W□□A   |   | •              | •              | 4.3A  |                | 103.2W                           |                                     |                |              |                     |           |    |
| PJ-24V150W□□A   |   | •              | •              | 6.3A  | 150W           |                                  |                                     |                |              |                     |           |    |
| PJ-5V15W□NA   |   | •              |                | 5V    | 3.0A           | 15W                              |                                     |                | 85-264Vac    | 73                  |           |    |
| PJ-48V50W□NA  | •   | •              | 48V            | 1.1A  | 52.8W          |                                  |                                     |                |              |                     |           |    |
| PJB<br>• Power Boost up to 10s<br>• Conformal coating |   | PJB-24V100W□□A | •              | •     | 24V            | 4.3A                             | 103.2W                              |                |              | 85-264Vac           | 74        |    |
|   |   | PJB-24V150W□□A | •              | •     |                | 6.3A                             | 151.2W                              |                |              |                     |           |    |
|   |   | PJB-24V240W□□□ | •              | •     |                | 10.0A                            | 240W                                |                |              |                     |           |    |
|   |   | PJB-24V300W□□□ | •              | •     |                | 12.5A                            | 300W                                |                |              |                     |           |    |

### Open Frame Power Supply Model Numbering

| PJ         | T –  | XXV            | XXXW         | B                              | □  | □   |
|------------|--|----------------|--------------|--------------------------------|--|---|
| Open Frame | Product Series<br>T - ITE Application Series | Output Voltage | Output Power | Package Type<br>B - Open Frame | A - Family Code<br>B - Family Code<br>N - No Remote ON/OFF | Connector Type<br>A - JST connector<br>B - Molex connector <sup>1)</sup><br>C - JWT connector <sup>1)</sup> |

1) Options

| PJ –       | XXV            | XXXW         | □   | □  | A                  |
|------------|----------------|--------------|---|--|--------------------|
| Open Frame | Output Voltage | Output Power | Package Type<br>B - Open Frame<br>L - L Frame<br>C - Enclosed | Remote ON/OFF Function<br>N - No Remote ON/OFF<br>R - With Remote ON/OFF <sup>1)</sup> | A - Delta Standard |

1) Options for 100W and above

| PJ         | B –                                      | XXV            | XXXW         | □  | □  | □   |
|------------|--|----------------|--------------|--|--|---|
| Open Frame | Product Series<br>B - Power Boost Series | Output Voltage | Output Power | Package Type<br>B - Open Frame<br>L - L Frame<br>C - Enclosed<br><br>Green Mode <sup>1)</sup><br>J - Open Frame<br>H - L Frame<br>G - Enclosed | Remote ON/OFF Function<br>N - No Remote ON/OFF<br>R - With Remote ON/OFF | Connector Type<br>A - Harness<br>J - IP20 <sup>2)</sup> |

1) Green Mode is available for 150W only

2) For 240W and 300W only

# Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type            | Series  | Model Name      | Phase | PFC | Output Voltage                   | Output Current                      | Convection   | Forced Air | Input Voltage Range | Page |
|-------------------------|---|-----------------|-------|-----|----------------------------------|-------------------------------------|--------------|------------|---------------------|------|
|                         |   |                 | 1     |     |                                  |                                     | Output Power |            |                     |      |
| Open Frame Power Supply | PJH<br>• Household and ITE safety approvals   | PJH-24V300WBB□  | •     | •   | V1: 24V<br>V <sub>SB</sub> : 5V  | V1: 12.5A<br>V <sub>SB</sub> : 1.2A | 240W         | 300W       | 90-264Vac           | 75   |
|                         |   | PJH-24V300WBCC□ | •     | •   | V1: 24V<br>V <sub>SB</sub> : 12V | V1: 12.5A<br>V <sub>SB</sub> : 0.5A | 240W         | 300W       |                     |      |
|                         |   | PJH-36V300WBB□  | •     | •   | V1: 36V<br>V <sub>SB</sub> : 5V  | V1: 8.3A<br>V <sub>SB</sub> : 1.2A  | 240W         | 300W       |                     |      |
|                         |   | PJH-36V300WBCC□ | •     | •   | V1: 36V<br>V <sub>SB</sub> : 12V | V1: 8.3A<br>V <sub>SB</sub> : 0.5A  | 240W         | 300W       |                     |      |
|                         | PJU<br>• Power supply with integrated DC-UPS<br>• Compact size  | PJU-13V60W□A□   | •     |     | V1: 13.8V<br>B+: 13.6V           | V1: 3.9A<br>B+: 0.4A                | 60W          |            | 90-264Vac           | 76   |
|                         |   | PJU-13V60W□B□   | •     |     |                                  | V1: 3.9A<br>B+: 0.4A                | 60W          |            |                     |      |
|                         |   | PJU-27V60W□A□   | •     |     | V1: 27.6V<br>B+: 12.4V           | V1: 1.75A<br>B+: 0.4A               | 60W          |            |                     |      |
|                         |   | PJU-27V60W□B□   | •     |     |                                  | V1: 1.75A<br>B+: 0.4A               | 60W          |            |                     |      |
|                         | PJL<br>• UL 8750, IEC/UL 60950-1, IEC/UL 62368-1 approvals<br>• Low inrush current<br>• LED lighting power solution | PJL-48V200WBAA  | •     | •   | 48V                              | 4.17A                               | 150W         | 200W       | 85-305Vac           | 77   |
|                         |   | PJL-48V400WBAA  | •     | •   |                                  | 8.33A                               | 200W         | 400W       |                     |      |
|                         |   | PJL-48V600WLAA  | •     | •   |                                  | 12.5A                               | 300W         | 600W       |                     |      |

## Open Frame Power Supply Model Numbering

| PJ         | H –                                    | XXV            | XXXW         | B                              | □  | □   |
|------------|--|----------------|--------------|--------------------------------|--|---|
| Open Frame | Product Series<br>H - Household Series | Output Voltage | Output Power | Package Type<br>B - Open Frame | Voltage Standby<br>B - 5V <sup>1)</sup><br>C - 12V | Connector Type<br>A - JST connector<br>B - Molex connector <sup>1)</sup><br>C - JWT connector <sup>1)</sup> |

1) Options

| PJ         | U –  | XXV            | XXXW         | □   | □   | □  |
|------------|--|----------------|--------------|---|---|--|
| Open Frame | Product Series<br>U - With DC-UPS Function | Output Voltage | Output Power | Package Type<br>C - Enclosed<br>L - L Frame <sup>1)</sup><br>B - Open Frame <sup>1)</sup> | Signal<br>A - Without Signal <sup>1)</sup><br>B - With Signal | Connector Type<br>A - Terminal Block<br>B - JST connector <sup>1)</sup><br>C - Molex connector <sup>1)</sup> |

1) Options

| PJ         | L –   | XXV            | XXXW         | □   | A              | A                |
|------------|---|----------------|--------------|---|----------------|------------------|
| Open Frame | Product Series<br>L - Lighting Application Series | Output Voltage | Output Power | Package Type<br>B - Open Frame<br>L - L Frame | A - Active PFC | A - TE connector |



# PRODUCT SELECTION GUIDE

## | Industrial Power Supplies

New products are frequently introduced. Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for latest product updates.

| Product Type      | Series  | Model Name    | Output Voltage | Output Current | Input Current  | Input Voltage Range | Page |
|-------------------|---------|---------------|----------------|----------------|--|---------------------|------|
| Redundancy Module | CliQ II | DRR-20□       | 22-60V         | 20.0A          | (1+1 Redundancy) =<br>Nominal 2 × 12.5A<br>(N+1 Redundancy) =<br>Nominal 2 × 10A | 22-60Vdc            | 79   |
|                   |         | DRR-40□       |                | 40.0A          | (1+1 Redundancy) =<br>Nominal 2 × 25A<br>(N+1 Redundancy) =<br>Nominal 2 × 20A   |                     |      |
| Buffer Module     | CliQ II | DRB-24V020AB□ | 24V            | 20.0A          | Charging Mode: < 0.6A  | 22.8-28.8Vdc        | 80   |
|                   |         | DRB-24V040ABN |                | 40.0A          | Charging Mode: < 0.6A  |                     |      |
| DC-UPS Module     | CliQ II | DRU-24V40ABN  | 24V            | 40.0A          | Charging Mode: 2.0A ± 1.0A   | 24-28Vdc            | 81   |
|                   | Chrome  | DRU-24V10ACZ  |                | 10.0A          | Charging Mode: 0.5A ± 0.1A   |                     | 82   |

### Redundancy Module Model Numbering

| DR       | R –                                   | XX                                     | □   |
|----------|---------------------------------------|--|---|
| DIN Rail | Product Type<br>R - Redundancy Module | Output Current<br>20 - 20A<br>40 - 40A | A - Metal Case, with Class I, Div 2<br>N - Metal Case, without Class I, Div 2 |

### DC-UPS Module and Buffer Module Model Numbering

| DR       | □ –  | 24V            | XXXA           | □                                       | □   |
|----------|--|----------------|----------------|---|---|
| DIN Rail | Product Type<br>U - DC-UPS Module<br>B - Buffer Module | Output Voltage | Output Current | B - CliQ II Series<br>C - Chrome Series | A - Metal Case, with Class I, Div 2<br>N - Metal Case, without Class I, Div 2<br>Z - Plastic Case, without Class I, Div 2 |

# Industrial Power Supplies

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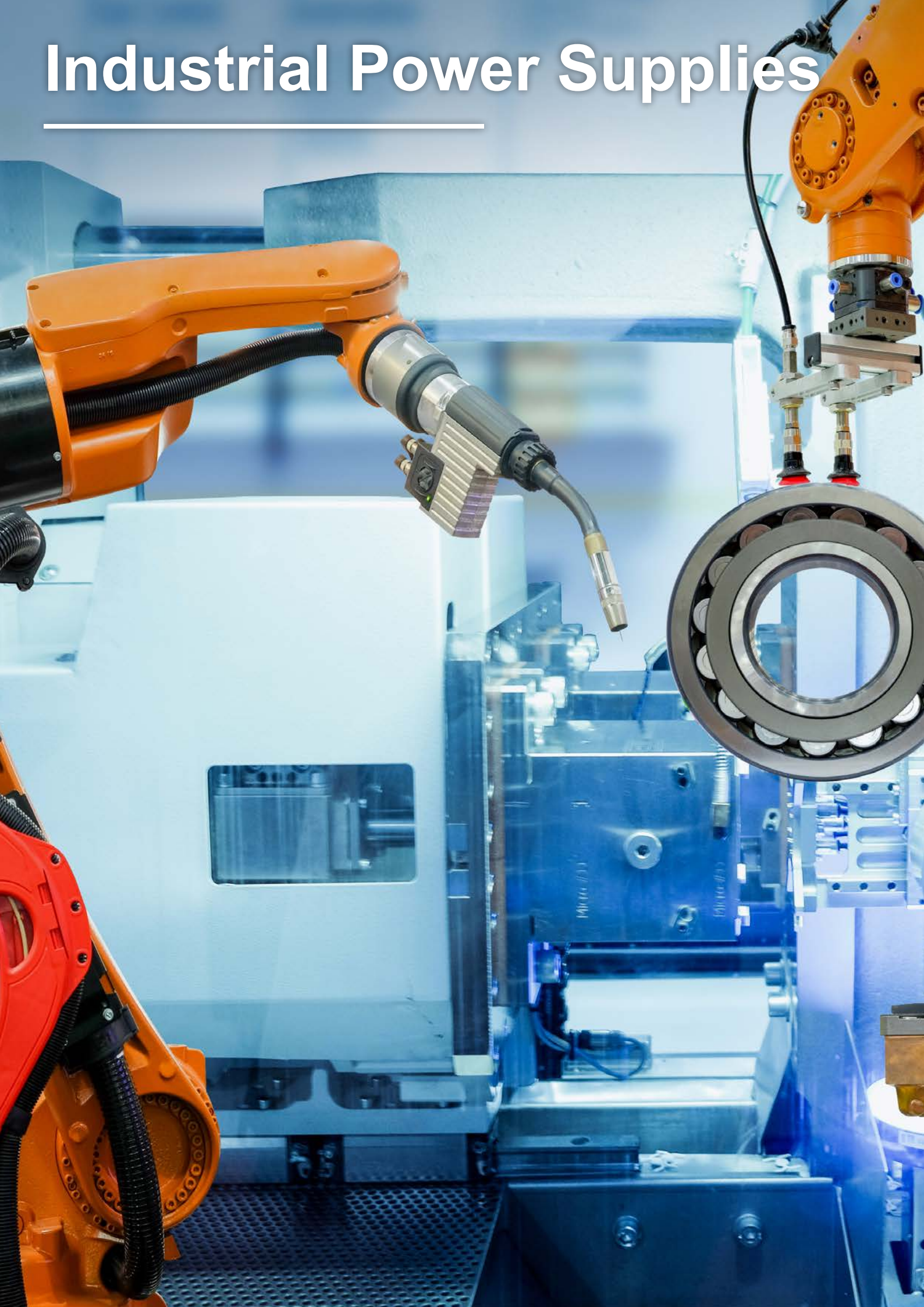
| Product Type | Series  | Model Name   | CC Code | Output Voltage | Output Current | Output Power | Page |
|--------------|---|--------------|---------|----------------|----------------|--------------|------|
| Adapter      | <b>ADT</b><br>• Compact size<br>• DoE Level VI and CoC Tier 2 | ADT-060A12AA | B-A     | 12V            | 5.0A           | 60W          | 84   |
|              |   | ADT-060A12AB | B-A     |                | 5.0A           | 60W          |      |
|              |   | ADT-150B12AA | J-A     |                | 12.5A          | 150W         |      |
|              |   | ADT-060A15AA | B-A     | 15V            | 4.0A           | 60W          | 85   |
|              |   | ADT-060A15AB | B-A     |                | 4.0A           | 60W          |      |
|              |   | ADT-060A19AA | B-A     | 19V            | 3.2A           | 60.8W        | 85   |
|              |   | ADT-060A19AB | B-A     |                | 3.2A           | 60.8W        |      |
|              |   | ADT-120A19AA | M-A     |                | 6.15A          | 120W         |      |
|              |   | ADT-150A19AA | G-A     | 24V            | 7.7A           | 150W         | 86   |
|              |   | ADT-060A24AA | B-A     |                | 2.5A           | 60W          |      |
|              |   | ADT-060A24AB | B-A     |                | 2.5A           | 60W          |      |
|              |   | ADT-090A24AA | F-A     |                | 3.75A          | 90W          |      |
|              |   | ADT-120A24AA | F-A     |                | 5.0A           | 120W         |      |
|              |   | ADT-150A24AA | H-A     |                | 6.25A          | 150W         |      |
|              |   | ADT-150C24AC | K-A     | 6.25A          | 150W           | 87           |      |

## Adapter Model Numbering

|                            |   |                                   |   |   |  | CC Code  |                    |
|----------------------------|---|-----------------------------------|---|---|--|--|--------------------|
| ADT -                      | XXX   | □                                 | □   | A   | □  | □-   | A                  |
| <b>Delta AC-DC Adapter</b> | <b>Output Power</b><br>060 - 60W<br>090 - 90W<br>120 - 120W<br>150 - 150W | <b>Family Code</b><br>A<br>B<br>C | <b>Output Voltage (Single Output)</b><br>12 - 12V<br>15 - 15V<br>19 - 19V<br>24 - 24V | <b>Package Type</b><br>A - Desktop<br>Adapter | <b>Input Connector Type</b><br>A - C6<br>B - C8<br>C - C14 | <b>Output Connector</b><br>B - Tuning fork,<br>5.5 × 2.1 × 10 mm, 180°<br>F - Tuning fork,<br>5.5 × 2.5 × 11 mm, 90°<br>G - Barrel, 6 × 3.5 × 11.5 mm, 90°<br>H - Tuning fork,<br>5.5 × 2.5 × 11 mm, 90°<br>J - Barrel, 7.4 × 5.1 × 11 mm, 90°<br>K - 4 pin DIN, 180° Lockable<br>M - Tuning fork,<br>5.5 × 1.7 × 11 mm, 90° | A - Delta Standard |

# Industrial Power Supplies

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# PRODUCT OVERVIEW

Delta standard industrial power supplies comprise of DIN rail, panel mount and open frame types. With over 40 years of experience in power technologies, Delta delivers an extensive range of industrial power supplies that meet IEC 60950-1, IEC 62368-1, IEC 61347-2-13, UL 8750, IEC 60335-1, IEC 61558-1, IEC 61558-2-16 and many other more standards.



## DIN Rail

A wide range of DIN rail power supplies offering start-up at  $-40^{\circ}\text{C}$ , Advanced Power Boost (CliQ M & CliQ VA), smart monitoring function (CliQ VA), ultra slim design (LYTE II) for demanding applications.



## Panel Mount

The latest PMT2 series ultra slim design at competitive prices for general industrial applications. MEB series offer a wide range of high power models with industrial and medical certifications.



## Open Frame

PJ series open frame power supplies offer wide range of output voltages with versatile configuration options. The latest PJJ series comes with lighting approvals such as UL 8750 and IEC 61347-2-13.



## Modules

The DIN rail modules are useful accessories as part of the complete power management solution. They include DC-UPS, buffer and redundancy modules which are designed to work seamlessly with Delta DIN rail power supplies.



## Adapter

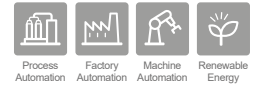
The ADT adapter series offers efficiency up to 89% with extreme low no-load consumption below 0.15W. These adapters are also meet DoE Level VI and CoC Tier 2 efficiency standards.

# INDUSTRIAL POWER SUPPLIES

## | DIN Rail Power Supply



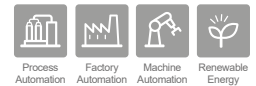
### CliQ™



- Power Boost of 150% for 3 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models
- Conformal coating on PCBAs to protect against common dust and chemical pollutants (except DRP-24V48W1AZ and DRP024V060W1AZ)
- Certified according to IEC/EN/UL 62368-1



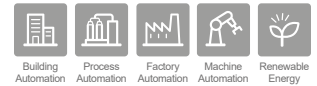
### CliQ II



- Power Boost of 150% for 5 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing (except DRP024V060W1N□)
- Cold start -40°C for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models
- Certified according to IEC/EN/UL 62368-1



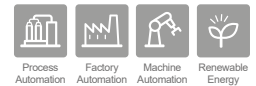
### CliQ III



- Built-in constant current circuit for charging application
- Power Boost of 150% for 5 seconds
- SEMI F47 compliance at 120Vac
- Cold start at -40°C
- Built-in DC OK relay contact
- Certified according to IEC/EN/UL 62368-1



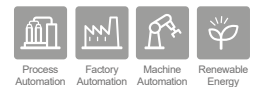
### CliQ M



- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Built-in active PFC with up to 94% efficiency
- Certified according to IEC/EN/UL 62368-1



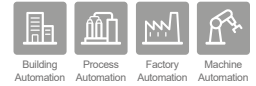
### CliQ VA



- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- Built-in active PFC with up to 94% efficiency
- Certified according to IEC/EN/UL 62368-1



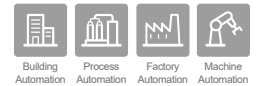
## LYTE



- Slim form factor
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (optional)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1



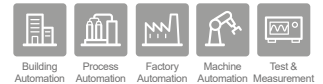
## LYTE II



- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1



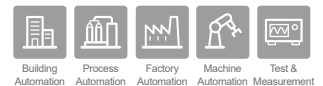
## CHROME



- Class II Double Isolation (No earth connection is required)
- Power will not de-rate for the entire input voltage range
- NEC Class 2 and Limited Power Source (LPS) approvals (except 12V/100W)
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508
- Full power up to 55°C



## sync



- Low earth leakage current < 0.5mA @ 264Vac
- Cold start at -40°C
- Full power from -10°C to 55°C operation
- NEC Class 2 / Limited Power Source (LPS) certified
- Built-in DC OK relay contact (optional)
- Certified according to IEC/EN/UL 62368-1



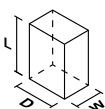
## Features

- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s
- Full corrosion resistant aluminium casing for 12V/60W and 12V/100W
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Multiple wire connections to terminals allowed
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                | DRP012V015W1A□                                      | DRP012V030W1A□     | DRP012V060W1AA     | DRP012V100W1AA     |
|---------------------------------------|---|--------------------|--------------------|--------------------|
| Output Voltage                        | 12V   | 12V                | 12V                | 12V                |
| Output Voltage Range                  | 11-14V  | 11-14V             | 11-14V             | 11-14V             |
| Output Current                        | 0-1.25A   | 0-2.5A             | 0-5.0A             | 0-8.33A            |
| Output Power                          | 15W   | 30W                | 60W                | 100W               |
| PARD (20MHz)                          | < 100mVpp   |                    |                    |                    |
| Hold-up Time                          | 115Vac > 22ms                                       | > 22ms             | > 22ms             | > 22ms             |
|                                       | 230Vac > 110ms                                      | > 110ms            | > 110ms            | > 110ms            |
| <b>INPUT</b>                          |   |                    |                    |                    |
| Phase Input                           | Single Phase  |                    |                    |                    |
| Input Voltage Range                   | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |                    |                    |                    |
| Input Frequency                       | 47-63Hz   |                    |                    |                    |
| Input Current                         | 115Vac < 0.37A                                      | < 0.70A            | < 1.35A            | < 2.50A            |
|                                       | 230Vac < 0.22A                                      | < 0.42A            | < 0.80A            | < 1.50A            |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac > 84.0%                                      | > 85.0%            | > 86.0%            | > 85.5%            |
|                                       | 230Vac > 83.0%                                      | > 85.0%            | > 86.0%            | > 87.5%            |
| Max Inrush Current (Cold Start)       | 115Vac < 30A  | < 40A              | < 50A              | < 100A             |
|                                       | 230Vac < 65A  | < 80A              | < 100A             | No Damage          |
| Power Factor                          | Conform to EN 61000-3-2                             |                    |                    |                    |
| Leakage Current                       | 240Vac < 1mA  | < 1mA              | < 1mA              | < 1mA              |
| <b>MECHANICAL</b>                     |   |                    |                    |                    |
| Case Cover / Chassis                  | Plastic   |                    | Aluminium          |                    |
| Dimensions (L × W × D)                | mm  | 100 × 32 × 100.6   | 100 × 32 × 100.6   | 121 × 32 × 120     |
|                                       | inch  | 3.94 × 1.26 × 3.96 | 3.94 × 1.26 × 3.96 | 4.76 × 1.26 × 4.72 |
| Unit Weight                           | kg  | 0.18               | 0.20               | 0.33               |
|                                       | lb  | 0.40               | 0.44               | 0.73               |
| Cooling System                        | Convection  |                    |                    |                    |
| MTBF <sup>3)</sup>                    | > 500,000 hrs                                       | > 500,000 hrs      | > 500,000 hrs      | > 500,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                    |                    |                    |
| Operating Temperature <sup>4)</sup>   | -20°C to +80°C                                      |                    |                    |                    |
| Storage Temperature                   | -25°C to +85°C                                      |                    |                    |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                        |                    |                    |                    |
| Operating Altitude                    | 0 to 2,000 m (0 to 6,560 ft)                        |                    |                    |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.





## Features

- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- SEMI F47 Certified for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants\*
- Hazardous Locations approval to ATEX and Class I, Div 2\*
- Certified according to IEC/EN/UL 62368-1

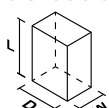
\* Except DRP-24V48W1AZ and DRP024V060W1AZ



## Specifications

| OUTPUT                                |   | DRP-24V48W1AZ           | DRP024V060W1AZ     | DRP024V060W1AA     | DRP024V120W1AA     | DRP024V240W1AA     | DRP024V480W1AA     |
|---------------------------------------|---|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Output Voltage                        |   | 24V                     | 24V                | 24V                | 24V                | 24V                | 24V                |
| Output Voltage Range                  |   | 22-26V                  | 22-28V             | 22-28V             | 22-28V             | 24-28V             | 22-28V             |
| Output Current                        |   | 0-2.0A                  | 0-2.5A             | 0-2.5A             | 0-5.0A             | 0-10.0A            | 0-20.0A            |
| Output Power                          |   | 48W                     | 60W                | 60W                | 120W               | 240W               | 480W               |
| PARD (20MHz)                          |   | < 480mVpp               | < 240mVpp          |                    |                    |                    |                    |
| Hold-up Time                          | 115Vac  | > 10ms                  | > 20ms             | > 20ms             | > 35ms             | > 20ms             | > 20ms             |
|                                       | 230Vac  | > 60ms                  | > 125ms            | > 125ms            | > 70ms             |                    |                    |
| <b>INPUT</b>                          |   |                         |                    |                    |                    |                    |                    |
| Phase Input                           | Single Phase  |                         |                    |                    |                    |                    |                    |
| Input Voltage Range                   | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |                         |                    |                    |                    |                    |                    |
| Input Frequency                       | 47-63Hz   |                         |                    |                    |                    |                    |                    |
| Input Current                         | 115Vac  | < 1.4A                  | < 1.1A             | < 1.1A             | < 1.4A             | < 2.9A             | < 5.7A             |
|                                       | 230Vac  | < 0.7A                  | < 0.7A             | < 0.7A             | < 0.8A             | < 1.5A             | < 2.8A             |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac  | > 86.0%                 | > 86.0%            | > 86.0%            | > 86.0%            | > 89.0%            | > 85.0%            |
|                                       | 230Vac  | > 87.0%                 | > 87.0%            | > 87.0%            | > 87.0%            | > 91.0%            | > 88.0%            |
| Max Inrush Current (Cold Start)       | 115Vac  | < 28A                   | < 40A              | < 40A              | < 80A              | < 40A              | < 50A              |
|                                       | 230Vac  | < 56A                   | < 80A              | < 80A              | < 150A             | < 100A             | < 150A             |
| Power Factor                          | 115Vac  | Conform to EN 61000-3-2 |                    |                    | > 0.98             | > 0.96             | > 0.97             |
|                                       | 230Vac  |                         |                    |                    | > 0.87             | > 0.90             | > 0.95             |
| Leakage Current                       | 240Vac  | < 1mA                   | < 1mA              | < 1mA              | < 1mA              | < 1mA              | < 1.25mA           |
| <b>MECHANICAL</b>                     |   |                         |                    |                    |                    |                    |                    |
| Case Cover / Chassis                  |   | Plastic                 |                    |                    | Aluminium          |                    |                    |
| Dimensions (L x W x D)                | mm  | 100 x 32 x 100.6        | 120.6 x 32 x 113   | 121 x 32 x 120     | 121 x 50 x 118.7   | 121 x 85 x 118.5   | 121 x 160 x 118.5  |
|                                       | inch  | 3.94 x 1.26 x 3.96      | 4.75 x 1.26 x 4.45 | 4.76 x 1.26 x 4.72 | 4.76 x 1.97 x 4.67 | 4.76 x 3.35 x 4.67 | 4.76 x 6.30 x 4.67 |
| Unit Weight                           | kg  | 0.22                    | 0.33               | 0.37               | 0.54               | 1.04               | 1.80               |
|                                       | lb  | 0.49                    | 0.73               | 0.82               | 1.19               | 2.29               | 3.97               |
| Cooling System                        | Convection  |                         |                    |                    |                    |                    |                    |
| MTBF <sup>3)</sup>                    |   | > 500,000 hrs           | > 500,000 hrs      | > 500,000 hrs      | > 500,000 hrs      | > 300,000 hrs      | > 300,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                         |                    |                    |                    |                    |                    |
| Operating Temperature <sup>4)</sup>   |   | -20°C to +70°C          |                    | -20°C to +80°C     |                    |                    |                    |
| Storage Temperature                   | -25°C to +85°C                                      |                         |                    |                    |                    |                    |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                        |                         |                    |                    |                    |                    |                    |
| Operating Altitude                    | 0 to 2,000 m (0 to 6,560 ft)                        |                         |                    |                    |                    |                    |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input except DRP-24V48W1AZ which still fulfills the test conditions of this range. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## Features

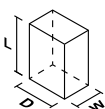
- Power will not de-rate for the entire input voltage range
- High Efficiency > 90.0% @ 230Vac
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT                                | DRP024V060W1B□                                      | DRP024V120W1B□          | DRP024V240W1B□     | DRP024V480W1B□     |
|---------------------------------------|---|-------------------------|--------------------|--------------------|
| Output Voltage                        | 24V   | 24V                     | 24V                | 24V                |
| Output Voltage Range                  | 24-28V  | 24-28V                  | 24-28V             | 24-28V             |
| Output Current                        | 0-2.5A  | 0-5.0A                  | 0-10.0A            | 0-20.0A            |
| Output Power                          | 60W   | 120W                    | 240W               | 480W               |
| PARD (20MHz)                          | < 150mVpp   |                         |                    |                    |
| Hold-up Time                          | 115Vac  | > 20ms                  | > 20ms             | > 20ms             |
|                                       | 230Vac  | > 125ms                 | > 115ms            | > 20ms             |
| <b>INPUT</b>                          |   |                         |                    |                    |
| Phase Input                           | Single Phase  |                         |                    |                    |
| Input Voltage Range                   | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |                         |                    |                    |
| Input Frequency                       | 47-63Hz   |                         |                    |                    |
| Input Current                         | 115Vac  | < 1.4A                  | < 2.2A             | < 2.5A             |
|                                       | 230Vac  | < 0.8A                  | < 1.1A             | < 1.3A             |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac  | > 89.0%                 | > 89.0%            | > 90.0%            |
|                                       | 230Vac  | > 90.0%                 | > 90.0%            | > 92.0%            |
| Max Inrush Current (Cold Start)       | 115Vac  | < 20A                   | < 35A              | < 35A              |
|                                       | 230Vac  | < 35A                   | < 35A              | < 35A              |
| Power Factor                          | 115Vac  | Conform to EN 61000-3-2 |                    | > 0.96             |
|                                       | 230Vac  |                         |                    | > 0.95             |
| Leakage Current                       | 240Vac  | < 1mA                   | < 1mA              | < 3mA              |
| <b>MECHANICAL</b>                     |   |                         |                    |                    |
| Case Cover / Chassis                  | Aluminium   |                         |                    |                    |
| Dimensions (L × W × D)                | mm  | 121 × 32 × 125          | 121 × 50 × 123.1   | 121 × 85 × 124.1   |
|                                       | inch  | 4.76 × 1.26 × 4.92      | 4.76 × 1.97 × 4.85 | 4.76 × 3.35 × 4.89 |
| Unit Weight                           | kg  | 0.37                    | 0.72               | 1.10               |
|                                       | lb  | 0.82                    | 1.59               | 2.43               |
| Cooling System                        | Convection  |                         |                    |                    |
| MTBF <sup>3)</sup>                    | > 800,000 hrs                                       | > 800,000 hrs           | > 500,000 hrs      | > 500,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                         |                    |                    |
| Operating Temperature <sup>4)</sup>   | -25°C to +80°C                                      |                         |                    | -25°C to +75°C     |
| Storage Temperature                   | -40°C to +85°C                                      |                         |                    |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                        |                         |                    |                    |
| Operating Altitude                    | 0 to 2,500 m (0 to 8,200 ft)                        |                         |                    |                    |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V060W1B□ is also certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# 24V Output NEC Class 2



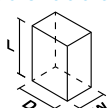
## Features

- Power will not de-rate for the entire input voltage range
- UL 1310 safety approval
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRP024V060W1NY)
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                |        | DRP024V060W1N□                                      | DRP-24V100W1NN     |
|---------------------------------------|--------|---|--------------------|
| Output Voltage                        |        | 24V   | 24V                |
| Output Voltage Range                  |        | 22-28V  | 22-24V             |
| Output Current                        |        | 0-2.5A  | 0-3.8A             |
| Output Power                          |        | 60W   | 91.2W              |
| PARD (20MHz)                          |        | < 240mVpp   | < 150mVpp          |
| Hold-up Time                          | 115Vac | > 20ms  | > 20ms             |
|                                       | 230Vac | > 125ms   | > 30ms             |
| INPUT                                 |        |   |                    |
| Phase Input                           |        | Single Phase  |                    |
| Input Voltage Range                   |        | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |                    |
| Input Frequency                       |        | 47-63Hz   |                    |
| Input Current                         | 115Vac | < 1.50A   | < 1.00A            |
|                                       | 230Vac | < 0.80A   | < 0.53A            |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac | > 89.0%   | > 88.0%            |
|                                       | 230Vac | > 89.0%   | > 89.0%            |
| Max Inrush Current (Cold Start)       | 115Vac | < 40A   | < 30A              |
|                                       | 230Vac | < 80A   | < 60A              |
| Power Factor                          | 115Vac | Conform to EN 61000-3-2                             |                    |
|                                       | 230Vac | > 0.99  | > 0.94             |
| Leakage Current                       | 240Vac | < 0.5mA   | < 0.5mA            |
| MECHANICAL                            |        |   |                    |
| Case Cover / Chassis                  |        | Plastic   | Aluminium          |
| Dimensions (L × W × D)                | mm     | 120.6 × 32 × 119.3                                  | 124 × 40 × 124     |
|                                       | inch   | 4.75 × 1.26 × 4.70                                  | 4.88 × 1.57 × 4.88 |
| Unit Weight                           | kg     | 0.33  | 0.60               |
|                                       | lb     | 0.73  | 1.32               |
| Cooling System                        |        | Convection  |                    |
| MTBF <sup>3)</sup>                    |        | > 800,000 hrs                                       | > 800,000 hrs      |
| ENVIRONMENT                           |        |   |                    |
| Operating Temperature <sup>4)</sup>   |        | -25°C to +80°C                                      |                    |
| Storage Temperature                   |        | -40°C to +85°C                                      |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)                        |                    |
| Operating Altitude                    |        | 0 to 2,500 m (0 to 8,200 ft)                        |                    |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## Features

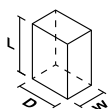
- Designed for single phase input 180-305Vac (for L-N) or 2 of 3-Phase system 2 x 180-550Vac (for L-L) or 254-780Vdc
- Compact and corrosion resistant aluminium casing
- High Efficiency > 90.0%
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Wide operating temperature range from -30°C to +70°C
- Built-in DC OK contact
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT                                |  | DRP-24V120W2BN          | DRP-24V240W2BN     |
|---------------------------------------|--|-------------------------|--------------------|
| Output Voltage                        |  | 24V                     | 24V                |
| Output Voltage Range                  |  | 24-28V                  | 24-28V             |
| Output Current                        |  | 0-5.0A                  | 0-10.0A            |
| Output Power                          |  | 120W                    | 240W               |
| PARD (20MHz)                          |  | < 150mVpp               |                    |
| Hold-up Time                          | 2 x 230Vac   | > 10ms                  | > 18ms             |
|                                       | 2 x 400Vac   | > 50ms                  | > 30ms             |
| INPUT                                 |  |                         |                    |
| Phase Input                           | Single Phase or Two Phase  |                         |                    |
| Input Voltage Range                   | 2 x 180-550Vac or 180-305Vac (Single Phase)<br>(DC input range 254-780Vdc) <sup>1)</sup>               |                         |                    |
| Input Frequency                       | 47-63Hz  |                         |                    |
| Input Current                         | 2 x 230Vac   | < 1.20A                 | < 2.00A            |
|                                       | 2 x 400Vac   | < 0.80A                 | < 1.00A            |
| Efficiency <sup>2)</sup> at 100% Load | 2 x 400Vac   | > 90.0%                 | > 90.0%            |
| Max Inrush Current (Cold Start)       | 2 x 200Vac   | < 50A                   | < 50A              |
|                                       | 2 x 500Vac   |                         |                    |
| Power Factor                          | 2 x 230Vac   | Conform to EN 61000-3-2 | > 0.84             |
|                                       | 2 x 400Vac   |                         |                    |
| Leakage Current                       | 500Vac   | < 1mA                   | < 1.5mA            |
| MECHANICAL                            |  |                         |                    |
| Case Cover / Chassis                  | Aluminium  |                         |                    |
| Dimensions (L x W x D)                | mm   | 124 x 40 x 117          | 124 x 60 x 117     |
|                                       | inch   | 4.88 x 1.57 x 4.61      | 4.88 x 2.36 x 4.61 |
| Unit Weight                           | kg   | 0.62                    | 0.81               |
|                                       | lb   | 1.37                    | 1.79               |
| Cooling System                        | Convection   |                         |                    |
| MTBF <sup>3)</sup>                    |  | > 800,000 hrs           | > 500,000 hrs      |
| ENVIRONMENT                           |  |                         |                    |
| Operating Temperature <sup>4)</sup>   | -30°C to +70°C   |                         |                    |
| Storage Temperature                   | -40°C to +85°C   |                         |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)   |                         |                    |
| Operating Altitude                    | Industrial Application: 0 to 2,000 m (0 to 6,560 ft);<br>ITE Application: 0 to 2,500 m (0 to 8,200 ft) |                         |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 2 x 200Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## Features

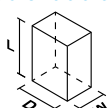
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (except DRP024V960W3BN)
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT  |                          | DRP024V060W3B□   | DRP024V120W3B□     | DRP024V240W3B□     | DRP024V480W3B□     | DRP024V960W3BN   |
|---|--------------------------|--|--------------------|--------------------|--------------------|--|
| Output Voltage                                |                          | 24V  | 24V                | 24V                | 24V                | 24V  |
| Output Voltage Range                          |                          | 24-28V   | 24-28V             | 24-28V             | 24-28V             | 24-28V   |
| Output Current                                |                          | 0-2.5A   | 0-5.0A             | 0-10.0A            | 0-20.0A            | 0-40.0A  |
| Output Power                                  |                          | 60W  | 120W               | 240W               | 480W               | 960W   |
| PARD (20MHz)                                  |                          | < 150mVpp  |                    |                    |                    | < 240mVpp  |
| Hold-up Time                                  | 3 × 400Vac               | > 20ms   | > 20ms             | > 20ms             | > 20ms             | > 20ms   |
|   | 3 × 500Vac               | > 40ms   | > 40ms             | > 40ms             | > 20ms             | > 20ms   |
| INPUT   |                          |  |                    |                    |                    |  |
| Phase Input                                   |                          | Two Phase or Three Phase   |                    |                    |                    |  |
| Input Voltage Range (Does not exceed 600Vac)  |                          | 3 × 320-600Vac or 2 × 360-600Vac (DC input range 450-800Vdc) <sup>1)</sup>                             |                    |                    |                    | 3 × 320-600Vac or 2 × 380-600Vac (DC input range 450-800Vdc) <sup>1)</sup> |
| Input Frequency                               |                          | 47-63Hz  |                    |                    |                    |  |
| Input Current                                 | 3 × 400Vac               | < 0.30A  | < 0.50A            | < 0.75A            | < 1.00A            | < 1.70A  |
|   | 3 × 500Vac               | < 0.25A  | < 0.40A            | < 0.65A            | < 0.75A            | < 1.40A  |
| Efficiency <sup>2)</sup> at 100% Load         | 3 × 400Vac<br>3 × 500Vac | > 86.0%  | > 88.0%            | > 91.0%            | > 91.0%            | > 92.0%  |
| Max Inrush Current (Cold Start) <sup>3)</sup> | 3 × 400Vac<br>3 × 500Vac | < 30A  | < 30A              | < 40A              | < 50A              | < 60A  |
| Power Factor                                  | 3 × 400Vac               | Conform to EN 61000-3-2  |                    |                    | > 0.95             | > 0.95   |
|   | 3 × 500Vac               |  |                    |                    | > 0.94             | > 0.94   |
| Leakage Current                               | 3 × 500Vac               | < 3.5mA  | < 3.5mA            | < 3.5mA            | < 3.5mA            | < 3.5mA  |
| MECHANICAL                                    |                          |  |                    |                    |                    |  |
| Case Cover / Chassis                          |                          | Aluminium  |                    |                    |                    |  |
| Dimensions (L × W × D)                        | mm                       | 121 × 50 × 117.3   | 121 × 50 × 117.3   | 121 × 70 × 117.3   | 121 × 140 × 117.3  | 121 × 255 × 117.3  |
|   | inch                     | 4.76 × 1.97 × 4.62   | 4.76 × 1.97 × 4.62 | 4.76 × 2.76 × 4.62 | 4.76 × 5.51 × 4.62 | 4.76 × 10.0 × 4.62   |
| Unit Weight                                   | kg                       | 0.66   | 0.66               | 0.89               | 1.35               | 2.60   |
|   | lb                       | 1.46   | 1.46               | 1.96               | 2.98               | 5.73   |
| Cooling System                                |                          | Convection   |                    |                    |                    |  |
| MTBF <sup>4)</sup>                            |                          | > 800,000 hrs  | > 800,000 hrs      | > 500,000 hrs      | > 500,000 hrs      | > 300,000 hrs  |
| ENVIRONMENT                                   |                          |  |                    |                    |                    |  |
| Operating Temperature <sup>5)</sup>           |                          | -25°C to +80°C   |                    |                    |                    | -25°C to +65°C   |
| Storage Temperature                           |                          | -40°C to +85°C   |                    |                    |                    |  |
| Operating Humidity                            |                          | 5 to 95% RH (Non-Condensing)   |                    |                    |                    |  |
| Operating Altitude                            |                          | Industrial Application: 0 to 2,000 m (0 to 6,560 ft);<br>ITE Application: 0 to 2,500 m (0 to 8,200 ft) |                    |                    |                    |  |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V480W3B□ and DRP024V960W3B□ are also certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) AC Source capability up to 3kVA.
- 4) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 3 × 400Vac, O/P: 100% load) for vertical mounting orientation.
- 5) Refer power de-rating in the product datasheet.
- 6) All parameters are specified at 25°C ambient temperature unless otherwise indicated.





## Features

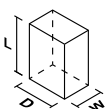
- Power will not de-rate for the entire input voltage range
- High Efficiency > 91.0% @ 230Vac
- Power Boost of 150% for 5s
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT                                | DRP048V060W1B□                                      | DRP048V120W1B□          | DRP048V240W1B□     | DRP048V480W1B□     |
|---------------------------------------|---|-------------------------|--------------------|--------------------|
| Output Voltage                        | 48V   | 48V                     | 48V                | 48V                |
| Output Voltage Range                  | 48-56V  | 48-56V                  | 48-56V             | 48-56V             |
| Output Current                        | 0-1.25A   | 0-2.5A                  | 0-5.0A             | 0-10.0A            |
| Output Power                          | 60W   | 120W                    | 240W               | 480W               |
| PARD (20MHz)                          | < 200mVpp   |                         |                    |                    |
| Hold-up Time                          | 115Vac  | > 20ms                  | > 20ms             | > 20ms             |
|                                       | 230Vac  | > 125ms                 | > 50ms             | > 20ms             |
| <b>INPUT</b>                          |   |                         |                    |                    |
| Phase Input                           | Single Phase  |                         |                    |                    |
| Input Voltage Range                   | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |                         |                    |                    |
| Input Frequency                       | 47-63Hz   |                         |                    |                    |
| Input Current                         | 115Vac  | < 1.4A                  | < 2.2A             | < 2.5A             |
|                                       | 230Vac  | < 0.8A                  | < 1.1A             | < 1.3A             |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac  | > 91.0%                 | > 90.0%            | > 90.0%            |
|                                       | 230Vac  | > 92.0%                 | > 91.0%            | > 92.0%            |
| Max Inrush Current (Cold Start)       | 115Vac  | < 20A                   | < 35A              | < 35A              |
|                                       | 230Vac  | < 35A                   | < 35A              | < 35A              |
| Power Factor                          | 115Vac  | Conform to EN 61000-3-2 | > 0.99             | > 0.96             |
|                                       | 230Vac  | > 0.93                  | > 0.90             | > 0.90             |
| Leakage Current                       | 240Vac  | < 1mA                   | < 1mA              | < 1mA              |
| <b>MECHANICAL</b>                     |   |                         |                    |                    |
| Case Cover / Chassis                  | Aluminium   |                         |                    |                    |
| Dimensions (L × W × D)                | mm  | 121 × 32 × 125          | 121 × 50 × 123.1   | 121 × 85 × 124.1   |
|                                       | inch  | 4.76 × 1.26 × 4.92      | 4.76 × 1.97 × 4.85 | 4.76 × 3.35 × 4.86 |
| Unit Weight                           | kg  | 0.38                    | 0.72               | 0.96               |
|                                       | lb  | 0.84                    | 1.59               | 2.12               |
| Cooling System                        | Convection  |                         |                    |                    |
| MTBF <sup>3)</sup>                    | > 800,000 hrs                                       | > 800,000 hrs           | > 500,000 hrs      | > 500,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                         |                    |                    |
| Operating Temperature <sup>4)</sup>   | -25°C to +80°C                                      |                         |                    | -25°C to +75°C     |
| Storage Temperature                   | -40°C to +85°C                                      |                         |                    |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                        |                         |                    |                    |
| Operating Altitude                    | 0 to 2,500 m (0 to 8,200 ft)                        |                         |                    |                    |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## Features

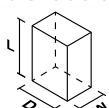
- Built-in constant current circuit for charging application
- High efficiency of up to 94% at 230Vac
- Power Boost of 150% for 5s
- SEMI F47 compliance at 120Vac
- Extreme low temperature cold start at -40°C
- Built-in DC OK Contact and LED indicator for DC OK
- Conformal coating on PCBA to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT                                   |        | DRP-24V120W1C□□   | DRP-24V240W1C□□    | DRP-24V480W1C□□    |
|--|--------|---|--------------------|--------------------|
| Output Voltage                           |        | 24V   | 24V                | 24V                |
| Output Voltage Range                     |        | 24-28V  | 24-28V             | 24-28V             |
| Output Current                           |        | 0-5.0A  | 0-10.0A            | 0-20.0A            |
| Output Power                             |        | 120W  | 240W               | 480W               |
| PARD (20MHz)                             |        | < 100mVpp   |                    |                    |
| Hold-up Time                             | 115Vac | > 20ms  | > 20ms             | > 15ms             |
|  | 230Vac |   |                    |                    |
| INPUT                                    |        |   |                    |                    |
| Phase Input                              |        | Single Phase  |                    |                    |
| Input Voltage Range                      |        | DRP-24V□□W1C□□N: 88-264Vac<br>DRP-24V□□W1C□□B: 88-264Vac (DC input range 88-375Vdc) <sup>1)</sup> |                    |                    |
| Input Frequency                          |        | 47-63Hz   |                    |                    |
| Input Current                            | 115Vac | < 1.4A  | < 2.6A             | < 5.0A             |
|  | 230Vac | < 0.7A  | < 1.3A             | < 2.5A             |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac | > 89.5%   | > 91.0%            | > 92.0%            |
|  | 230Vac | > 91.0%   | > 93.0%            | > 93.0%            |
| Max Inrush Current<br>(Cold Start)       | 115Vac | < 35A   | < 33A              | < 40A              |
|  | 230Vac | < 70A   | < 65A              | < 80A              |
| Power Factor                             | 115Vac | > 0.96  | > 0.99             | > 0.99             |
|  | 230Vac | > 0.93  | > 0.93             | > 0.95             |
| Leakage Current<br>(264Vac, 50Hz)        | TT/TN  | < 0.47mA  | < 0.74mA           | < 1.12mA           |
|  | IT     | < 1.20mA  | < 2.00mA           | < 2.55mA           |
| MECHANICAL                               |        |   |                    |                    |
| Case Cover / Chassis                     |        | Aluminium   |                    |                    |
| Dimensions<br>(L × W × D)                | mm     | 124 × 40 × 117  | 124 × 60 × 117     | 124 × 82 × 127     |
|  | inch   | 4.88 × 1.57 × 4.61  | 4.88 × 2.36 × 4.61 | 4.88 × 3.23 × 5.00 |
| Unit Weight                              | kg     | 0.58  | 0.84               | 1.20               |
|  | lb     | 1.28  | 1.85               | 2.65               |
| Cooling System                           |        | Convection  |                    |                    |
| MTBF <sup>3)</sup>                       |        | > 1,411,300 hrs   | > 1,366,200 hrs    | > 1,041,600 hrs    |
| ENVIRONMENT                              |        |   |                    |                    |
| Operating Temperature <sup>4)</sup>      |        | -25°C to +70°C  |                    |                    |
| Storage Temperature                      |        | -40°C to +85°C  |                    |                    |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)  |                    |                    |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft)   |                    |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# DIN Rail Power Supply 24V Output



## Features

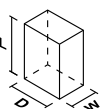
- High power density in corrosion resistant aluminium casing
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Extreme low temperature cold start at -40°C
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1



## Specifications

| OUTPUT                                |        | DRM-24V80W1PN   | DRM-24V120W1PN                                     | DRM-24V240W1PN                                     | DRM-24V480W1PN     | DRM-24V960W1PN     |
|---------------------------------------|--------|---|--|--|--------------------|--------------------|
| Output Voltage                        |        | 24V   | 24V  | 24V  | 24V                | 24V                |
| Output Voltage Range                  |        | 24-28V  | 24-28V   | 24-28V   | 24-28V             | 24-28V             |
| Output Current                        |        | 3.4-3.0A  | 5.0-4.5A   | 10.0-9.0A  | 20.0-17.0A         | 40.0-34.3A         |
| Output Power                          |        | 81.6W   | 120W   | 240W   | 480W               | 960W               |
| PARD (20MHz)                          |        | < 50mVpp  |  |  | < 100mVpp          |                    |
| Hold-up Time                          | 120Vac | > 35ms  | > 34ms   | > 28ms   | > 30ms             | > 23ms             |
|                                       | 230Vac | > 70ms  | > 65ms   |  |                    |                    |
| INPUT                                 |        |   |  |  |                    |                    |
| Phase Input                           |        | Single Phase  |  |  |                    |                    |
| Input Voltage Range                   |        | 85-276Vac (DC input range 88-375Vdc) <sup>1)</sup>                        | 85-264Vac (DC input range 88-375Vdc) <sup>1)</sup> | 85-276Vac (DC input range 88-375Vdc) <sup>1)</sup> |                    | 85-264Vac          |
| Input Frequency                       |        | 47-63Hz   |  |  |                    |                    |
| Input Current                         | 120Vac | < 0.90A   | < 1.12A  | < 2.26A  | < 4.60A            | < 10.10A           |
|                                       | 230Vac | < 0.60A   | < 0.62A  | < 1.25A  | < 2.50A            | < 6.00A            |
| Efficiency <sup>2)</sup> at 100% Load | 120Vac | > 90.1%   | > 91.6%  | > 92.6%  | > 92.2%            | > 93.6%            |
|                                       | 230Vac | > 90.0%   | > 92.7%  | > 93.5%  | > 93.4%            | > 94.6%            |
| Max Inrush Current (Cold Start)       | 120Vac | < 7A  | < 15A  | < 10A  | < 13A              | < 13A              |
|                                       | 230Vac | < 13A   |  |  |                    | < 20A              |
| Power Factor                          | 120Vac | > 0.95  | > 0.99   | > 0.98   | > 0.92             | > 0.97             |
|                                       | 230Vac | > 0.80  | > 0.91   | > 0.92   | > 0.87             | > 0.95             |
| Leakage Current (264Vac, 50Hz)        | TT/TN  | < 0.36mA  | < 0.45mA   | < 0.74mA   | < 0.80mA           | < 1.18mA           |
|                                       | IT     | < 0.95mA  | < 1.08mA   | < 1.29mA   | < 2.00mA           | < 2.82mA           |
| MECHANICAL                            |        |   |  |  |                    |                    |
| Case Cover / Chassis                  |        | Aluminium   |  |  |                    |                    |
| Dimensions (L × W × D)                | mm     | 124 × 32 × 102  | 124 × 40 × 117                                     | 124 × 60 × 117                                     | 124 × 82 × 127     | 124 × 125 × 133.6  |
|                                       | inch   | 4.88 × 1.26 × 4.02  | 4.88 × 1.57 × 4.61                                 | 4.88 × 2.36 × 4.61                                 | 4.88 × 3.23 × 5.00 | 4.88 × 4.92 × 5.26 |
| Unit Weight                           | kg     | 0.50  | 0.63   | 0.94   | 1.40               | 2.87               |
|                                       | lb     | 1.10  | 1.39   | 2.07   | 3.09               | 6.33               |
| Cooling System                        |        | Convection  |  |  |                    |                    |
| MTBF <sup>3)</sup>                    |        | > 2,000,000 hrs   | > 1,800,000 hrs                                    | > 1,400,000 hrs                                    | > 778,800 hrs      | > 513,800 hrs      |
| ENVIRONMENT                           |        |   |  |  |                    |                    |
| Operating Temperature <sup>4)</sup>   |        | -25°C to +70°C  |  |  |                    |                    |
| Storage Temperature                   |        | -40°C to +85°C  |  |  |                    |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)  |  |  |                    |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft); IEC/EN 61558: 0 to 2,500 m (0 to 8,200 ft) |  |  |                    |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input. DC input is not applicable for DRM-24V960W1PN.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



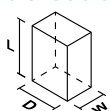
## Features

- SIL3 approval for SIS Functional Safety
- Droop method current sharing
- Active Redundant circuit O-Ring MOSFET
- Power Boost of 150% up to 5s
- Advanced Power Boost (APB)
- Built-in DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

## Specifications

|                                       |        | COMING SOON  |
|---------------------------------------|--------|--|
| <b>OUTPUT</b>                         |        | <b>DRM-24V480W1SN</b>                              |
| Output Voltage                        |        | 24V  |
| Output Voltage Range                  |        | 24-28V   |
| Output Current                        |        | 20.0-17.0A   |
| Output Power                          |        | 480W   |
| PARD (20MHz)                          |        | < 120mVpp  |
| Hold-up Time                          | 120Vac | > 32ms   |
|                                       | 230Vac |  |
| <b>INPUT</b>                          |        |  |
| Phase Input                           |        | Single Phase                                       |
| Input Voltage Range                   |        | 85-276Vac (DC input range 88-375Vdc) <sup>1)</sup> |
| Input Frequency                       |        | 47-63Hz  |
| Input Current                         | 120Vac | < 4.56A  |
|                                       | 230Vac | < 2.48A  |
| Efficiency <sup>2)</sup> at 100% Load | 120Vac | > 92.4%  |
|                                       | 230Vac | > 93.4%  |
| Max Inrush Current (Cold Start)       | 120Vac | < 13A  |
|                                       | 230Vac |  |
| Power Factor                          | 120Vac | > 0.95   |
|                                       | 230Vac | > 0.90   |
| Leakage Current (264Vac, 50Hz)        | TT/TN  | < 1.10mA   |
|                                       | IT     | < 1.20mA   |
| <b>MECHANICAL</b>                     |        |  |
| Case Cover / Chassis                  |        | Aluminium  |
| Dimensions (L x W x D)                | mm     | 124 x 82 x 127                                     |
|                                       | inch   | 4.88 x 3.23 x 5.00                                 |
| Unit Weight                           | kg     | 1.40   |
|                                       | lb     | 3.09   |
| Cooling System                        |        | Convection   |
| MTBF <sup>3)</sup>                    |        | > 864,600 hrs                                      |
| <b>ENVIRONMENT</b>                    |        |  |
| Operating Temperature <sup>4)</sup>   |        | -25°C to +70°C                                     |
| Storage Temperature                   |        | -40°C to +85°C                                     |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)                       |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft)                      |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



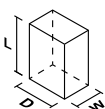
## Features

- Built-in constant current circuit for charging application
- Full power from -25°C to +60°C @ 5,000m (16,400 ft.)
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK Contact and LED indicator for DC OK/Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                |  | DRM-24V480W3PN     | DRM-24V960W3PN     |
|---------------------------------------|--|--------------------|--------------------|
| Output Voltage                        |  | 24V                | 24V                |
| Output Voltage Range                  |  | 24-28V             | 24-28V             |
| Output Current                        |  | 20.0-17.1A         | 40.0-34.3A         |
| Output Power                          |  | 480W               | 960W               |
| PARD (20MHz)                          |  | < 100mVpp          | < 100mVpp          |
| Hold-up Time                          | 3 × 400Vac   | > 18ms             | > 20ms             |
|                                       | 3 × 500Vac   |                    |                    |
| INPUT                                 |  |                    |                    |
| Phase Input                           | Two or Three Phase   |                    |                    |
| Input Voltage Range                   | 3 × 320-575Vac or 2 × 380-575Vac (DC input range 450-800Vdc) <sup>1)</sup> |                    |                    |
| Input Frequency                       | 47-63Hz  |                    |                    |
| Input Current                         | 3 × 400Vac   | < 0.79A            | < 1.65A            |
|                                       | 3 × 500Vac   | < 0.68A            | < 1.35A            |
| Efficiency <sup>2)</sup> at 100% Load | 3 × 400Vac   | > 95.0%            | > 95.3%            |
|                                       | 3 × 500Vac   | > 94.8%            | > 95.2%            |
| Max Inrush Current (Cold Start)       | 3 × 400Vac   | < 10A              | < 14.2             |
|                                       | 3 × 500Vac   |                    | < 17.0             |
| Power Factor                          | 3 × 400Vac   | > 0.93             | > 0.90             |
|                                       | 3 × 500Vac   | > 0.90             |                    |
| Leakage Current (3 × 528Vac, 60Hz)    | TT/TN  | < 1.30mA           | < 0.95mA           |
|                                       | IT   |                    | < 1.20mA           |
| MECHANICAL                            |  |                    |                    |
| Case Cover / Chassis                  | Aluminium  |                    |                    |
| Dimensions (L × W × D)                | mm   | 124 × 65 × 127.1   | 124 × 110 × 128.6  |
|                                       | inch   | 4.88 × 2.56 × 5.00 | 4.88 × 4.33 × 5.06 |
| Unit Weight                           | kg   | 1.18               | 2.30               |
|                                       | lb   | 2.60               | 5.07               |
| Cooling System                        | Convection   |                    |                    |
| MTBF <sup>3)</sup>                    | > 750,000 hrs  |                    | > 568,300 hrs      |
| ENVIRONMENT                           |  |                    |                    |
| Operating Temperature <sup>4)</sup>   | -25°C to +70°C   |                    |                    |
| Storage Temperature                   | -40°C to +85°C   |                    |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)   |                    |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)  |                    |                    |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 3 × 400Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.





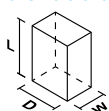
## Features

- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Built-in active PFC with up to 94% efficiency
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                |  | DRV-24V120W1PN     | DRV-24V240W1PN                                     | DRV-24V480W1PN     |
|---------------------------------------|--|--------------------|--|--------------------|
| Output Voltage                        |  | 24V                | 24V  | 24V                |
| Output Voltage Range                  |  | 24-28V             | 24-28V   | 24-28V             |
| Output Current                        |  | 5.0-4.28A          | 10.0-8.57A   | 20.0-17.0A         |
| Output Power                          |  | 120W               | 240W   | 480W               |
| PARD (20MHz)                          |  | < 50mVpp           | < 50mVpp   | < 100mVpp          |
| Hold-up Time                          | 120Vac   | > 34ms             | > 28ms   | > 30ms             |
|                                       | 230Vac   | > 65ms             |  |                    |
| INPUT                                 |  |                    |  |                    |
| Phase Input                           | Single Phase                                       |                    |  |                    |
| Input Voltage Range                   | 85-264Vac (DC input range 88-375Vdc) <sup>1)</sup> |                    | 85-276Vac (DC input range 88-375Vdc) <sup>1)</sup> |                    |
| Input Frequency                       | 47-63Hz  |                    |  |                    |
| Input Current                         | 120Vac   | < 1.13A            | < 2.22A  | < 4.60A            |
|                                       | 230Vac   | < 0.63A            | < 1.21A  | < 2.50A            |
| Efficiency <sup>2)</sup> at 100% Load | 120Vac   | > 90.3%            | > 92.6%  | > 92.2%            |
|                                       | 230Vac   | > 91.2%            | > 93.5%  | > 93.4%            |
| Max Inrush Current (Cold Start)       | 120Vac   | < 15A              | < 10A  | < 13A              |
|                                       | 230Vac   |                    |  |                    |
| Power Factor                          | 120Vac   | > 0.99             | > 0.98   | > 0.92             |
|                                       | 230Vac   | > 0.91             | > 0.92   | > 0.87             |
| Leakage Current (264Vac, 50Hz)        | TT/TN  | < 0.45mA           | < 0.74mA   | < 0.80mA           |
|                                       | IT   | < 1.08mA           | < 2.10mA   | < 2.00mA           |
| MECHANICAL                            |  |                    |  |                    |
| Case Cover / Chassis                  | Aluminium & Plastic / Aluminium                    |                    |  |                    |
| Dimensions (L x W x D)                | mm   | 124 x 60 x 139     | 124 x 60 x 139                                     | 124 x 82 x 149     |
|                                       | inch   | 4.88 x 2.36 x 5.47 | 4.88 x 2.36 x 5.47                                 | 4.88 x 3.23 x 5.87 |
| Unit Weight                           | kg   | 0.75               | 1.02   | 1.45               |
|                                       | lb   | 1.65               | 2.25   | 3.20               |
| Cooling System                        | Convection   |                    |  |                    |
| MTBF <sup>3)</sup>                    |  | > 1,444,000 hrs    | > 1,268,000 hrs                                    | > 751,100 hrs      |
| ENVIRONMENT                           |  |                    |  |                    |
| Operating Temperature <sup>4)</sup>   | -25°C to +70°C                                     |                    |  |                    |
| Storage Temperature                   | -40°C to +85°C                                     |                    |  |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                       |                    |  |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                      |                    |  |                    |

### Dimensions Reference



### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## LYTE

### Features

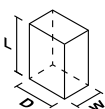
- High power density
- Built-in constant current circuit for reactive loads
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Built-in DC OK relay contact (for DRL-24V480W1A□)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | DRL-12V75W1AZ  | DRL-24V75W1AZ      | DRL-24V480W1A□   | DRL-48V75W1AZ  |
|--|--------|--|--------------------|--|--|
| Output Voltage                           |        | 12V  | 24V                | 24V  | 48V  |
| Output Voltage Range                     |        | 10.8-13.2V   | 21.6-26V           | 22-28V   | 43.2-52.8V   |
| Output Current                           |        | 6.25A  | 3.125A             | 20.0A  | 1.57A  |
| Output Power                             |        | 75W  | 75W                | 480W   | 75.36W   |
| PARD (20MHz)                             |        | < 120mVpp @ > -10°C to +70°C<br>< 360mVpp @ ≤ -10°C to -30°C |                    | < 120mVpp @ 0°C to +70°C,<br>< 240mVpp @ < 0°C to -10°C,<br>< 360mVpp @ < -10°C to -20°C | < 240mVpp @ > -10°C to +70°C<br>< 480mVpp @ ≤ -10°C to -30°C |
| Hold-up Time                             | 115Vac | 16ms typ.  | 16ms typ.          | 10ms typ.  | 16ms typ.  |
|  | 230Vac | 60ms typ.  | 60ms typ.          | 16ms typ.  | 60ms typ.  |
| INPUT                                    |        |  |                    |  |  |
| Phase Input                              |        | Single Phase   |                    |  |  |
| Input Voltage Range                      |        | 85-264Vac  |                    | 85-264Vac<br>(DC input range 120-375Vdc) <sup>1)</sup>                                   | 85-264Vac  |
| Input Frequency                          |        | 47-63Hz  |                    |  |  |
| Input Current                            | 115Vac | 1.4A typ.  | 1.4A typ.          | 5.4A typ.  | 1.4A typ.  |
|  | 230Vac | 0.9A typ.  | 0.9A typ.          | 2.7A typ.  | 0.9A typ.  |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac | -  | -                  | 85.0% typ.   | -  |
|  | 230Vac | 87.5% typ.   | 89.0% typ.         | 88.0% typ.   | 90.0% typ.   |
| Max Inrush Current<br>(Cold Start)       | 115Vac | -  | -                  | 40A typ.   | -  |
|  | 230Vac | 50A typ.   | 50A typ.           | 80A typ.   | 50A typ.   |
| Power Factor                             | 115Vac | NA   | NA                 | > 0.95   | NA   |
|  | 230Vac | -  | -                  | -  | -  |
| Leakage Current                          | 240Vac | < 1mA  | < 1mA              | -  | < 1mA  |
|  | 264Vac | -  | -                  | < 1mA  | -  |
| MECHANICAL                               |        |  |                    |  |  |
| Case Cover / Chassis                     |        | Plastic  |                    | SGCC / Aluminium   | Plastic  |
| Dimensions<br>(L × W × D)                | mm     | 123.6 × 27 × 102   | 123.6 × 27 × 102   | 123.6 × 85.5 × 128.5   | 123.6 × 27 × 102   |
|  | inch   | 4.87 × 1.06 × 4.02   | 4.87 × 1.06 × 4.02 | 4.87 × 3.37 × 5.06   | 4.87 × 1.06 × 4.02   |
| Unit Weight                              | kg     | 0.22   | 0.22               | 1.30   | 0.22   |
|  | lb     | 0.49   | 0.49               | 2.86   | 0.49   |
| Cooling System                           |        | Convection   |                    |  |  |
| MTBF <sup>3)</sup>                       |        | > 700,000 hrs  | > 700,000 hrs      | > 700,000 hrs  | > 700,000 hrs  |
| ENVIRONMENT                              |        |  |                    |  |  |
| Operating Temperature <sup>4)</sup>      |        | -20°C to +70°C   |                    |  |  |
| Storage Temperature                      |        | -40°C to +85°C   |                    |  |  |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)                                 |                    |  |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft)                                |                    |  |  |

#### Dimensions Reference



#### Notes

- 1) DRL-24V480W1A□ fulfills the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## LYTE II

### Features

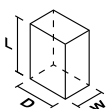
- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1



### Specifications

|                                       |        | NEW  | NEW                |
|---------------------------------------|--------|--|--------------------|
| OUTPUT                                |        | DRL-12V120W1EN                                       | DRL-12V240W1EN     |
| Output Voltage                        |        | 12V  | 12V                |
| Output Voltage Range                  |        | 10.8-13.2V   | 10.8-13.2V         |
| Output Current                        |        | 10.0A  | 20.0A              |
| Output Power                          |        | 120W   | 240W               |
| PARD (20MHz)                          |        | < 120mVpp @ 0°C to +70°C<br>< 360mVpp @ -30°C to 0°C |                    |
| Hold-up Time                          | 115Vac | 10ms typ.  | 20ms typ.          |
|                                       | 230Vac | 16ms typ.  |                    |
| INPUT                                 |        |  |                    |
| Phase Input                           |        | Single Phase   |                    |
| Input Voltage Range                   |        | 90-264Vac  |                    |
| Input Frequency                       |        | 47-63Hz  |                    |
| Input Current                         | 115Vac | 2.1A typ.  | 2.5A typ.          |
|                                       | 230Vac | 1.3A typ.  | 1.3A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac | 86.0% typ.   | 86.5% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac | 35A typ.   | 40A typ.           |
| Power Factor                          | 115Vac | NA   | > 0.95             |
|                                       | 230Vac |  |                    |
| Leakage Current                       | 240Vac | < 0.5mA  | < 0.75mA           |
| MECHANICAL                            |        |  |                    |
| Case Cover / Chassis                  |        | SGCC / Aluminium                                     |                    |
| Dimensions (L x W x D)                | mm     | 123.6 x 30 x 117.2                                   | 123.6 x 40 x 117.2 |
|                                       | inch   | 4.87 x 1.18 x 4.61                                   | 4.87 x 1.57 x 4.61 |
| Unit Weight                           | kg     | 0.45   | 0.62               |
|                                       | lb     | 0.99   | 1.37               |
| Cooling System                        |        | Convection   |                    |
| MTBF <sup>2)</sup>                    |        | > 700,000 hrs  | > 700,000 hrs      |
| ENVIRONMENT                           |        |  |                    |
| Operating Temperature <sup>3)</sup>   |        | -30°C to +70°C                                       |                    |
| Storage Temperature                   |        | -40°C to +85°C                                       |                    |
| Operating Humidity                    |        | 20 to 90% RH (Non-Condensing)                        |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft)                        |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## LYTE II



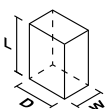
### Features

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

### Specifications

|                                       |                               | NEW  | NEW                |
|---------------------------------------|-------------------------------|--|--------------------|
| OUTPUT                                |                               | DRL-24V120W1END                                      | DRL-24V240W1END    |
| Output Voltage                        |                               | 24V  | 24V                |
| Output Voltage Range                  |                               | 21.6-26.4V   | 21.6-26.4V         |
| Output Current                        |                               | 5.0A   | 10.0A              |
| Output Power                          |                               | 120W   | 240W               |
| PARD (20MHz)                          |                               | < 150mVpp @ 0°C to +70°C<br>< 450mVpp @ -30°C to 0°C |                    |
| Hold-up Time                          | 115Vac                        | 10ms typ.  | 20ms typ.          |
|                                       | 230Vac                        | 16ms typ.  |                    |
| INPUT                                 |                               |  |                    |
| Phase Input                           | Single Phase                  |  |                    |
| Input Voltage Range                   | 90-264Vac                     |  |                    |
| Input Frequency                       | 47-63Hz                       |  |                    |
| Input Current                         | 115Vac                        | 2.1A typ.  | 2.5A typ.          |
|                                       | 230Vac                        | 1.3A typ.  | 1.3A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac                        | 88.5% typ.   | 90.0% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac                        | 35A typ.   | 40A typ.           |
| Power Factor                          | 115Vac                        | NA   | > 0.95             |
|                                       | 230Vac                        |  |                    |
| Leakage Current                       | 240Vac                        | < 0.5mA  | < 0.75mA           |
| MECHANICAL                            |                               |  |                    |
| Case Cover / Chassis                  | SGCC / Aluminium              |  |                    |
| Dimensions (L × W × D)                | mm                            | 123.6 × 30 × 117.2                                   | 123.6 × 40 × 117.2 |
|                                       | inch                          | 4.87 × 1.18 × 4.61                                   | 4.87 × 1.57 × 4.61 |
| Unit Weight                           | kg                            | 0.45   | 0.62               |
|                                       | lb                            | 0.99   | 1.37               |
| Cooling System                        | Convection                    |  |                    |
| MTBF <sup>2)</sup>                    | > 700,000 hrs                 |  | > 700,000 hrs      |
| ENVIRONMENT                           |                               |  |                    |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C                |  |                    |
| Storage Temperature                   | -40°C to +85°C                |  |                    |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing) |  |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft) |  |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## LYTE II

### Features

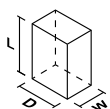
- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1



### Specifications

|                                       |        | NEW  | NEW                |
|---------------------------------------|--------|--|--------------------|
| OUTPUT                                |        | DRL-48V120W1EN                                       | DRL-48V240W1EN     |
| Output Voltage                        |        | 48V  | 48V                |
| Output Voltage Range                  |        | 43.2-52.8V   | 43.2-52.8V         |
| Output Current                        |        | 2.5A   | 5.0A               |
| Output Power                          |        | 120W   | 240W               |
| PARD (20MHz)                          |        | < 200mVpp @ 0°C to +70°C<br>< 600mVpp @ -30°C to 0°C |                    |
| Hold-up Time                          | 115Vac | 10ms typ.  | 20ms typ.          |
|                                       | 230Vac | 16ms typ.  |                    |
| INPUT                                 |        |  |                    |
| Phase Input                           |        | Single Phase   |                    |
| Input Voltage Range                   |        | 90-264Vac  |                    |
| Input Frequency                       |        | 47-63Hz  |                    |
| Input Current                         | 115Vac | 2.1A typ.  | 2.5A typ.          |
|                                       | 230Vac | 1.3A typ.  | 1.3A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac | 89.5% typ.   | 90.5% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac | 35A typ.   | 40A typ.           |
| Power Factor                          | 115Vac | NA   | > 0.95             |
|                                       | 230Vac |  |                    |
| Leakage Current                       | 240Vac | < 0.5mA  | < 0.75mA           |
| MECHANICAL                            |        |  |                    |
| Case Cover / Chassis                  |        | SGCC / Aluminium                                     |                    |
| Dimensions (L x W x D)                | mm     | 123.6 x 30 x 117.2                                   | 123.6 x 40 x 117.2 |
|                                       | inch   | 4.87 x 1.18 x 4.61                                   | 4.87 x 1.57 x 4.61 |
| Unit Weight                           | kg     | 0.45   | 0.62               |
|                                       | lb     | 0.99   | 1.37               |
| Cooling System                        |        | Convection   |                    |
| MTBF <sup>2)</sup>                    |        | > 700,000 hrs  | > 700,000 hrs      |
| ENVIRONMENT                           |        |  |                    |
| Operating Temperature <sup>3)</sup>   |        | -30°C to +70°C                                       |                    |
| Storage Temperature                   |        | -40°C to +85°C                                       |                    |
| Operating Humidity                    |        | 20 to 90% RH (Non-Condensing)                        |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft)                        |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## CHROME

### Features

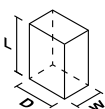


- Class II, Double Isolation (No earth connection is required)
- Full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals (except DRC-12V100W1AZ)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508

### Specifications

| OUTPUT                                | DRC-5V10W1A□                 | DRC-12V10W1A□          | DRC-12V30W1A□      | DRC-12V60W1□□                                       | DRC-12V100W1AZ     |                    |
|---------------------------------------|------------------------------|------------------------|--------------------|---|--------------------|--------------------|
| Output Voltage                        | 5V                           | 12V                    | 12V                | 12V   | 12V                |                    |
| Output Voltage Range                  | 5V (No potentiometer)        | 12V (No potentiometer) | 11.5-14.5V         | 11.5-14.0V  | 12-14V             |                    |
| Output Current                        | 0-1.5A                       | 0-0.83A                | 0-2.1A             | 0-4.5A  | 0-6.0A             |                    |
| Output Power                          | 7.5W                         | 9.96W                  | 25W                | 54W   | 72W                |                    |
| PARD (20MHz)                          | < 100mVpp                    |                        |                    |   |                    |                    |
| Hold-up Time                          | 115Vac                       | > 10ms                 | > 25ms             | > 16ms  | > 20ms             |                    |
|                                       | 230Vac                       | > 60ms                 | > 60ms             | > 60ms  | > 100ms            |                    |
| <b>INPUT</b>                          |                              |                        |                    |   |                    |                    |
| Phase Input                           | Single Phase                 |                        |                    |   |                    |                    |
| Input Voltage Range                   | 90-264Vac                    |                        |                    | 90-264Vac (DC input range 125-375Vdc) <sup>1)</sup> | 90-264Vac          |                    |
| Input Frequency                       | 47-63Hz                      |                        |                    |   |                    |                    |
| Input Current                         | 115Vac                       | < 0.3A                 | < 0.8A             | < 1.5A  | < 1.5A             |                    |
|                                       | 230Vac                       | < 0.2A                 | < 0.6A             | < 0.8A  | < 0.9A             |                    |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac                       | > 77.0%                | > 85.0%            | > 86.0%   | > 86.0%            |                    |
|                                       | 230Vac                       | > 76.0%                | > 80.5%            | > 86.0%   | > 86.0%            |                    |
| Max Inrush Current (Cold Start)       | 115Vac                       | < 15A                  | < 25A              | < 30A   | < 30A              |                    |
|                                       | 230Vac                       | < 30A                  | < 30A              | < 60A   | < 65A              |                    |
| Power Factor                          | Conform to EN 61000-3-2      |                        |                    |   |                    |                    |
| Leakage Current                       | 240Vac                       | < 0.25mA               | < 0.25mA           | < 0.25mA  | -                  |                    |
|                                       | 264Vac                       | -                      | -                  | -   | < 0.25mA           |                    |
| <b>MECHANICAL</b>                     |                              |                        |                    |   |                    |                    |
| Case Cover / Chassis                  | Plastic                      |                        |                    |   |                    |                    |
| Dimensions (L × W × D)                | mm                           | 91 × 18 × 55.6         | 91 × 18 × 55.6     | 91 × 53 × 55.6                                      | 91 × 71 × 55.6     | 91 × 89.9 × 55.6   |
|                                       | inch                         | 3.58 × 0.71 × 2.19     | 3.58 × 0.71 × 2.19 | 3.58 × 2.09 × 2.19                                  | 3.58 × 2.80 × 2.19 | 3.58 × 3.54 × 2.19 |
| Unit Weight                           | kg                           | 0.06                   | 0.06               | 0.14  | 0.22               | 0.36               |
|                                       | lb                           | 0.13                   | 0.13               | 0.31  | 0.49               | 0.79               |
| Cooling System                        | Convection                   |                        |                    |   |                    |                    |
| MTBF <sup>3)</sup>                    | > 500,000 hrs                | > 500,000 hrs          | > 500,000 hrs      | > 500,000 hrs                                       | > 500,000 hrs      |                    |
| <b>ENVIRONMENT</b>                    |                              |                        |                    |   |                    |                    |
| Operating Temperature <sup>4)</sup>   | -25°C to +71°C               |                        |                    |   |                    |                    |
| Storage Temperature                   | -25°C to +85°C               |                        |                    |   | -40°C to +85°C     |                    |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing) |                        |                    |   |                    |                    |
| Operating Altitude                    | 0 to 2,000 m (0 to 6,560 ft) |                        |                    |   |                    |                    |

#### Dimensions Reference



#### Notes

- 1) DRC-12V60W1CZ is certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## CHROME



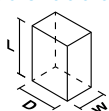
### Features

- Class II, Double Isolation (No earth connection is required)
- Full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508
- Household appliance approvals IEC/EN 60335-1 (DRC-24V10W1HZ)

### Specifications

| OUTPUT                                |        | DRC-24V10W1A□                | DRC-24V10W1HZ          | DRC-24V30W1A□      | DRC-24V60W1A□      | DRC-24V100W1A□                                      |
|---------------------------------------|--------|------------------------------|------------------------|--------------------|--------------------|---|
| Output Voltage                        |        | 24V                          | 24V                    | 24V                | 24V                | 24V   |
| Output Voltage Range                  |        | 24V (No potentiometer)       | 24V (No potentiometer) | 23.52-24.48V       | 24-28V             | 22-24V  |
| Output Current                        |        | 0-0.42A                      | 0-0.42A                | 0-1.25A            | 0-2.5A             | 0-3.8A  |
| Output Power                          |        | 10W                          | 10W                    | 30W                | 60W                | 91.2W   |
| PARD (20MHz)                          |        | < 100mVpp                    |                        |                    |                    |   |
| Hold-up Time                          | 115Vac | > 10ms                       | > 10ms                 | > 25ms             | > 16ms             | > 10ms  |
|                                       | 230Vac | > 60ms                       | > 60ms                 | > 60ms             | > 60ms             | > 60ms  |
| <b>INPUT</b>                          |        |                              |                        |                    |                    |   |
| Phase Input                           |        | Single Phase                 |                        |                    |                    |   |
| Input Voltage Range                   |        | 90-264Vac                    |                        |                    |                    | 90-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |
| Input Frequency                       |        | 47-63Hz                      |                        |                    |                    |   |
| Input Current                         | 115Vac | < 0.3A                       | < 0.3A                 | < 0.8A             | < 1.5A             | < 2.2A  |
|                                       | 230Vac | < 0.2A                       | < 0.2A                 | < 0.6A             | < 1.0A             | < 1.0A  |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac | > 80.0%                      | > 80.0%                | > 87.0%            | > 88.0%            | > 87.0%   |
|                                       | 230Vac | > 80.0%                      | > 80.0%                | > 87.0%            | > 88.0%            | > 89.0%   |
| Max Inrush Current (Cold Start)       | 115Vac | < 15A                        | < 15A                  | < 25A              | < 30A              | < 30A   |
|                                       | 230Vac | < 30A                        | < 30A                  | < 50A              | < 60A              | < 60A   |
| Power Factor                          |        | Conform to EN 61000-3-2      |                        |                    |                    |   |
| Leakage Current                       | 240Vac | < 0.25mA                     | < 0.25mA               | < 0.25mA           | < 0.25mA           | < 0.25mA  |
| <b>MECHANICAL</b>                     |        |                              |                        |                    |                    |   |
| Case Cover / Chassis                  |        | Plastic                      |                        |                    |                    |   |
| Dimensions (L × W × D)                | mm     | 91 × 18 × 55.6               | 91 × 18 × 55.6         | 91 × 53 × 55.6     | 91 × 71 × 55.6     | 91 × 89.9 × 55.6                                    |
|                                       | inch   | 3.58 × 0.71 × 2.19           | 3.58 × 0.71 × 2.19     | 3.58 × 2.09 × 2.19 | 3.58 × 2.80 × 2.19 | 3.58 × 3.54 × 2.19                                  |
| Unit Weight                           | kg     | 0.065                        | 0.065                  | 0.14               | 0.22               | 0.35  |
|                                       | lb     | 0.14                         | 0.14                   | 0.31               | 0.49               | 0.77  |
| Cooling System                        |        | Convection                   |                        |                    |                    |   |
| MTBF <sup>3)</sup>                    |        | > 500,000 hrs                | > 500,000 hrs          | > 500,000 hrs      | > 500,000 hrs      | > 500,000 hrs                                       |
| <b>ENVIRONMENT</b>                    |        |                              |                        |                    |                    |   |
| Operating Temperature <sup>4)</sup>   |        | -25°C to +71°C               |                        |                    |                    |   |
| Storage Temperature                   |        | -25°C to +85°C               |                        |                    |                    |   |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing) |                        |                    |                    |   |
| Operating Altitude                    |        | 0 to 2,000 m (0 to 6,560 ft) |                        |                    |                    |   |

#### Dimensions Reference



#### Notes

- 1) This model is certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## sync



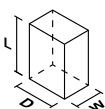
## Features

- Ultra-compact size and galvanic isolation up to 3.0kV<sub>ac</sub> between input to output and input to ground
- Full power from -10°C to +55°C operation
- Up to 89.0% efficiency
- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact option available
- Extreme low temperature cold start at -40°C
- NEC Class 2 / Limited Power Source (LPS) certified
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                   | DRS-5V30W1NZ  | DRS-5V50W1A□       | DRS-5V50W1N□  | DRS-12V50W1N□      |
|--|---|--------------------|---|--------------------|
| Output Voltage                           | 5V  | 5V                 | 5V  | 12V                |
| Output Voltage Range                     | 5-5.5V  | 5-5.5V             | 5-5.5V  | 12-15V             |
| Output Current                           | 0-3.0A  | 0-6.0A             | 0-5.0A  | 0-4.0A             |
| Output Power                             | 15W   | 30W                | 25W   | 48W                |
| PARD (20MHz)                             | < 75mVpp @ > 0°C to 70°C,<br>< 150mVpp @ 0°C to -20°C |                    | < 50mVpp @ > 0°C to 70°C,<br>< 100mVpp @ 0°C to -20°C |                    |
| Hold-up Time                             | 115Vac  | > 20ms             | > 20ms  | > 20ms             |
|  | 230Vac  | > 100ms            | > 100ms   | > 100ms            |
| <b>INPUT</b>                             |   |                    |   |                    |
| Phase Input                              | Single Phase  |                    |   |                    |
| Input Voltage Range                      | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup>   |                    |   |                    |
| Input Frequency                          | 47-63Hz   |                    |   |                    |
| Input Current                            | 115Vac  | < 0.40A            | < 0.60A   | < 0.90A            |
|  | 230Vac  | < 0.20A            | < 0.40A   | < 0.55A            |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac  | > 79.0%            | > 82.0%   | > 88.0%            |
|  | 230Vac  | > 79.0%            | > 82.0%   | > 89.0%            |
| Max Inrush Current<br>(Cold Start)       | 115Vac  | < 20A              | < 30A   | < 25A              |
|  | 230Vac  | < 40A              | < 60A   | < 50A              |
| Power Factor                             | Conform to EN 61000-3-2                               |                    |   |                    |
| Leakage Current                          | 264Vac  | < 0.5mA            | < 0.75mA  | < 0.75mA           |
| <b>MECHANICAL</b>                        |   |                    |   |                    |
| Case Cover / Chassis                     | Plastic   |                    |   |                    |
| Dimensions<br>(L × W × D)                | mm  | 75 × 21 × 89.5     | 75 × 30 × 89.5  | 75 × 30 × 89.5     |
|  | inch  | 2.95 × 0.83 × 3.52 | 2.95 × 1.18 × 3.52                                    | 2.95 × 1.18 × 3.52 |
| Unit Weight                              | kg  | 0.11               | 0.16  | 0.18               |
|  | lb  | 0.24               | 0.35  | 0.40               |
| Cooling System                           | Convection  |                    |   |                    |
| MTBF <sup>3)</sup>                       | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs   | > 700,000 hrs      |
| <b>ENVIRONMENT</b>                       |   |                    |   |                    |
| Operating Temperature <sup>4)</sup>      | -20°C to +70°C  |                    |   |                    |
| Storage Temperature                      | -40°C to +85°C  |                    |   |                    |
| Operating Humidity                       | 5 to 95% RH (Non-Condensing)                          |                    |   |                    |
| Operating Altitude                       | 0 to 2,000 m (0 to 6,560 ft)                          |                    |   |                    |

### Dimensions Reference



### Notes

- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



# sync



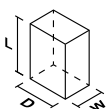
## Features

- Ultra-compact size and galvanic isolation up to 3.0kVdc between input to output and input to ground
- Full power from -10°C to +55°C operation
- Up to 90.0% efficiency
- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact option available
- Extreme low temperature cold start at -40°C
- NEC Class 2 / Limited Power Source (LPS) certified
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                                |        | DRS-24V30W1AZ   | DRS-24V30W1NZ   | DRS-24V50W1N□   | DRS-24V100W1A□  | DRS-24V100W1N□     |
|---------------------------------------|--------|---|---|---|---|--------------------|
| Output Voltage                        |        | 24V   | 24V   | 24V   | 24V   | 24V                |
| Output Voltage Range                  |        | 21.6-26.4V  | 24-28V  | 24-28V  | 24-28V  | 22-24V             |
| Output Current                        |        | 0-1.25A   | 0-1.25A   | 0-2.1A  | 0-4.0A  | 0-3.8A             |
| Output Power                          |        | 30W   | 30W   | 50W   | 96W   | 91.2W              |
| PARD (20MHz)                          |        | < 150mVpp<br>@ > 0°C to 70°C<br>< 500mVpp<br>@ 0°C to -20°C | < 75mVpp<br>@ > 0°C to 70°C,<br>< 150mVpp<br>@ 0°C to -20°C | < 70mVpp<br>@ > 0°C to 70°C,<br>< 100mVpp<br>@ 0°C to -20°C | < 50mVpp @ > 0°C to 70°C,<br>< 100mVpp @ 0°C to -20°C |                    |
| Hold-up Time                          | 115Vac | -   | > 20ms  | > 20ms  | > 50ms  | > 50ms             |
|                                       | 230Vac | > 20ms  | > 100ms   | > 100ms   |   |                    |
| <b>INPUT</b>                          |        |   |   |   |   |                    |
| Phase Input                           |        | Single Phase  |   |   |   |                    |
| Input Voltage Range                   |        | 85-264Vac   | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup>         |   |   |                    |
| Input Frequency                       |        | 47-63Hz   |   |   |   |                    |
| Input Current                         | 115Vac | < 0.80A   | < 0.55A   | < 0.95A   | < 1.20A   | < 1.20A            |
|                                       | 230Vac | < 0.40A   | < 0.35A   | < 0.55A   | < 0.60A   | < 0.60A            |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac | -   | > 87.5%   | > 89.0%   | > 89.0%   | > 89.0%            |
|                                       | 230Vac | 88.0% typ.  | > 88.0%   | > 90.0%   |   |                    |
| Max Inrush Current (Cold Start)       | 115Vac | < 30A   | < 20A   | < 30A   | < 25A   | < 25A              |
|                                       | 230Vac | < 60A   | < 40A   | < 50A   | < 40A   | < 40A              |
| Power Factor                          | 115Vac | Conform to EN 61000-3-2                                     |   |   | > 0.97  | > 0.97             |
|                                       | 230Vac |   |   |   | > 0.90  | > 0.90             |
| Leakage Current                       | 240Vac | < 0.5mA   | -   | -   | -   | -                  |
|                                       | 264Vac | -   | < 0.5mA   | < 0.5mA   | < 0.5mA   | < 0.5mA            |
| <b>MECHANICAL</b>                     |        |   |   |   |   |                    |
| Case Cover / Chassis                  |        | Plastic   |   |   |   |                    |
| Dimensions (L × W × D)                | mm     | 75 × 21 × 89.5  | 75 × 21 × 89.5  | 75 × 30 × 89.5  | 75 × 45 × 100   | 75 × 45 × 100      |
|                                       | inch   | 2.95 × 0.83 × 3.52  | 2.95 × 0.83 × 3.52  | 2.95 × 1.18 × 3.52  | 2.95 × 1.77 × 3.94                                    | 2.95 × 1.77 × 3.94 |
| Unit Weight                           | kg     | 0.10  | 0.11  | 0.18  | 0.325   | 0.325              |
|                                       | lb     | 0.22  | 0.24  | 0.40  | 0.72  | 0.72               |
| Cooling System                        |        | Convection  |   |   |   |                    |
| MTBF <sup>3)</sup>                    |        | > 700,000 hrs   | > 700,000 hrs   | > 700,000 hrs   | > 700,000 hrs   | > 700,000 hrs      |
| <b>ENVIRONMENT</b>                    |        |   |   |   |   |                    |
| Operating Temperature <sup>4)</sup>   |        | -20°C to +70°C  |   |   |   |                    |
| Storage Temperature                   |        | -40°C to +85°C  |   |   |   |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)                                |   |   |   |                    |
| Operating Altitude                    |        | 0 to 2,000 m (0 to 6,560 ft)                                |   |   |   |                    |

### Dimensions Reference



### Notes

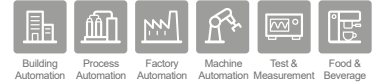
- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (DRS-24V30W1AZ: Confidence level: 90%, I/P: 100Vac, O/P: 100% load; other models: Confidence level: 90%, I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# INDUSTRIAL POWER SUPPLIES

## | Panel Mount Power Supply



### PMT2



- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (only 35W-150W)
- Certified according to IEC/EN/UL 62368-1
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III (only 35W-150W)
- Cold start at -40°C



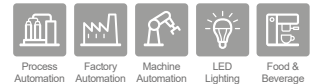
### PMC



- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B
- Power will not de-rate for the entire input voltage range (except 600W)
- Full corrosion resistant aluminium casing (except 15W and 600W)
- Also available: IP20 and Front Face connectors for selected models



### PMF



- Built-in active PFC and automatic fan speed control
- Full corrosion resistant aluminium casing
- Remote ON/OFF is available as an option
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1



### PMR



- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-□V320WDBA and PMR-□V320WDCA)



### PMU



- AC input voltage selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Certified according to IEC/EN/UL 62368-1

# MEB



- 2 × MOPP isolation, Suitable for type BF medical products
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Intelligent fan speed control
- Safety approvals for medical and IT applications
- PMBus Ver 1.3 supported (selected models)

## Connector Options



Terminal Block connector



IP20 connector



Front Face connector



Harness connector

## PMT2

### Features

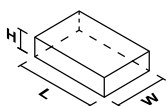
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                | PMT-12V35W2BA□  | PMT-12V50W2BA□     | PMT-12V75W2BA□     | PMT-12V100W2BA□    |
|---------------------------------------|---|--------------------|--------------------|--------------------|
| Output Voltage                        | 12V   | 12V                | 12V                | 12V                |
| Output Voltage Range                  | 10.8-13.2V  | 10.8-13.2V         | 10.8-13.2V         | 10.8-13.2V         |
| Output Current                        | 3.0A  | 4.2A               | 6.0A               | 8.5A               |
| Output Power                          | 36W   | 50.4W              | 72W                | 102W               |
| PARD (20MHz)                          | < 120mVpp @ 0°C to 70°C,<br>360mVpp typ. @ -30°C to 0°C |                    |                    |                    |
| Hold-up Time                          | 115Vac  | 16ms typ.          | 12ms typ.          | 11ms typ.          |
|                                       | 230Vac  | 70ms typ.          | 60ms typ.          | 52ms typ.          |
| <b>INPUT</b>                          |   |                    |                    |                    |
| Phase Input                           | Single Phase  |                    |                    |                    |
| Input Voltage Range                   | 90-264Vac   |                    |                    |                    |
| Input Frequency                       | 47-63Hz   |                    |                    |                    |
| Input Current                         | 115Vac  | 0.7A typ.          | 0.95A typ.         | 1.4A typ.          |
|                                       | 230Vac  | 0.42A typ.         | 0.6A typ.          | 0.85A typ.         |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac  | 86.0% typ.         | 85.0% typ.         | 87.0% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac  | 45A typ.           | 45A typ.           | 55A typ.           |
| Power Factor                          | NA  |                    |                    |                    |
| Leakage Current (50Hz)                | 240Vac  | < 0.5mA            | < 0.5mA            | < 0.5mA            |
| <b>MECHANICAL</b>                     |   |                    |                    |                    |
| Case Cover / Chassis                  | SGCC / Aluminium  |                    |                    |                    |
| Dimensions (L × W × H)                | mm  | 99 × 82 × 29       | 99 × 82 × 29       | 99 × 97 × 30       |
|                                       | inch  | 3.90 × 3.23 × 1.14 | 3.90 × 3.23 × 1.14 | 3.90 × 3.82 × 1.18 |
| Unit Weight                           | kg  | 0.17               | 0.18               | 0.22               |
|                                       | lb  | 0.36               | 0.39               | 0.48               |
| Cooling System                        | Convection  |                    |                    |                    |
| MTBF <sup>2)</sup>                    | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                    |                    |                    |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C  |                    |                    |                    |
| Storage Temperature                   | -40°C to +85°C  |                    |                    |                    |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing)                           |                    |                    |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                           |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.





## PMT2

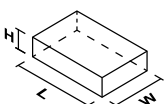
### Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                   | PMT-12V150W2BA□   | NEW<br>PMT-12V150W2CA□ | NEW<br>PMT-12V200W2B□□                          | PMT-12V350W2B□□                       |
|--|---|------------------------|---|---------------------------------------|
| Output Voltage                           | 12V   | 12V                    | 12V   | 12V                                   |
| Output Voltage Range                     | 10.8-13.2V  | 10.8-13.2V             | 10.8-13.2V                                      | 10.8-13.2V                            |
| Output Current                           | 12.5A   | 12.5A                  | 17.0A   | 29.0A<br>(43.5A for 1s) <sup>2)</sup> |
| Output Power                             | 150W  | 150W                   | 204W  | 348W<br>(522W for 1s) <sup>2)</sup>   |
| PARD (20MHz)                             | < 150mVpp @ 0°C to 70°C,<br>450mVpp typ. @ -30°C to 0°C |                        |   |                                       |
| Hold-up Time                             | 115Vac  | 30ms typ.              | 12ms typ.                                       | 30ms typ.                             |
|  | 230Vac  |                        | 55ms typ.                                       |                                       |
| <b>INPUT</b>                             |   |                        |   |                                       |
| Phase Input                              | Single Phase  |                        |   |                                       |
| Input Voltage Range                      | 90-132Vac, 180-264Vac<br>(Selectable by Switch)         | 90-264Vac              | 90-132Vac, 180-264Vac<br>(Selectable by Switch) |                                       |
| Input Frequency                          | 47-63Hz   |                        |   |                                       |
| Input Current                            | 115Vac  | 3.0A typ.              | 3.0A typ.                                       | 4.0A typ.                             |
|  | 230Vac  | 1.7A typ.              | 1.7A typ.                                       | 2.2A typ.                             |
| Efficiency <sup>1)</sup><br>at 100% Load | 230Vac  | 87.5% typ.             | 88.0% typ.                                      | 88.5% typ.                            |
| Max Inrush Current<br>(Cold Start)       | 230Vac  | 60A typ.               | 60A typ.  | 60A typ.                              |
| Power Factor                             | NA  |                        |   |                                       |
| Leakage Current<br>(50Hz)                | 240Vac  | < 0.5mA                | < 0.5mA   | < 0.5mA                               |
| <b>MECHANICAL</b>                        |   |                        |   |                                       |
| Case Cover / Chassis                     | SGCC / Aluminium  |                        |   |                                       |
| Dimensions<br>(L × W × H)                | mm  | 159 × 97 × 30          | 159 × 97 × 30                                   | 159 × 97 × 30                         |
|  | inch  | 6.26 × 3.82 × 1.18     | 6.26 × 3.82 × 1.18                              | 6.26 × 3.82 × 1.18                    |
| Unit Weight                              | kg  | 0.35                   | 0.39  | 0.42                                  |
|  | lb  | 0.78                   | 0.86  | 0.93                                  |
| Cooling System                           | Convection  |                        |   | Forced Air (Built-in Fan)             |
| MTBF <sup>3)</sup>                       | > 700,000 hrs   | > 700,000 hrs          | > 700,000 hrs                                   | > 700,000 hrs                         |
| <b>ENVIRONMENT</b>                       |   |                        |   |                                       |
| Operating Temperature <sup>4)</sup>      | -30°C to +70°C  |                        |   |                                       |
| Storage Temperature                      | -40°C to +85°C  |                        |   |                                       |
| Operating Humidity                       | 20 to 90% RH (Non-Condensing)                           |                        |   |                                       |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft)                           |                        |   |                                       |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) PMT-12V350W2B□□ models only.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

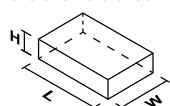
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

|                                       |   |                    |                    |                    |   |                        | NEW                |
|---------------------------------------|---|--------------------|--------------------|--------------------|---|------------------------|--------------------|
| OUTPUT                                | PMT-15V35W2BA   | PMT-15V50W2BA      | PMT-15V75W2BA      | PMT-15V100W2BA     | PMT-15V150W2BA  | PMT-15V150W2CA         |                    |
| Output Voltage                        | 15V   | 15V                | 15V                | 15V                | 15V   | 15V                    |                    |
| Output Voltage Range                  | 13.5-16.5V  | 13.5-16.5V         | 13.5-16.5V         | 13.5-16.5V         | 13.5-16.5V  | 13.5-16.5V             |                    |
| Output Current                        | 2.4A  | 3.4A               | 5.0A               | 7.0A               | 10.0A   | 10.0A                  |                    |
| Output Power                          | 36W   | 51W                | 75W                | 105W               | 150W  | 150W                   |                    |
| PARD (20MHz)                          | < 120mVpp @ 0°C to 70°C,<br>360mVpp typ. @ -30°C to 0°C |                    |                    |                    | < 150mVpp @ 0°C to 70°C,<br>450mVpp typ. @ -30°C to 0°C |                        |                    |
| Hold-up Time                          | 115Vac  | 16ms typ.          | 12ms typ.          | 11ms typ.          | 9ms typ.  | 30ms typ.              |                    |
|                                       | 230Vac  | 70ms typ.          | 60ms typ.          | 52ms typ.          | 42ms typ.   | 12ms typ.<br>55ms typ. |                    |
| INPUT                                 |   |                    |                    |                    |   |                        |                    |
| Phase Input                           | Single Phase  |                    |                    |                    |   |                        |                    |
| Input Voltage Range                   | 90-264Vac   |                    |                    |                    | 90-132Vac, 180-264Vac (Selectable by Switch)            | 90-264Vac              |                    |
| Input Frequency                       | 47-63Hz   |                    |                    |                    |   |                        |                    |
| Input Current                         | 115Vac  | 0.7A typ.          | 0.95A typ.         | 1.4A typ.          | 1.9A typ.   | 3.0A typ.              |                    |
|                                       | 230Vac  | 0.42A typ.         | 0.6A typ.          | 0.85A typ.         | 1.2A typ.   | 1.7A typ.              |                    |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac  | 87.0% typ.         | 87.0% typ.         | 88.0% typ.         | 88.0% typ.  | 89% typ.               |                    |
| Max Inrush Current (Cold Start)       | 230Vac  | 45A typ.           | 45A typ.           | 55A typ.           | 55A typ.  | 60A typ.               |                    |
| Power Factor                          | NA  |                    |                    |                    |   |                        |                    |
| Leakage Current (50Hz)                | 240Vac  | < 0.5mA            | < 0.5mA            | < 0.5mA            | < 0.5mA   | < 0.5mA                |                    |
| MECHANICAL                            |   |                    |                    |                    |   |                        |                    |
| Case Cover / Chassis                  | SGCC / Aluminium  |                    |                    |                    |   |                        |                    |
| Dimensions (L × W × H)                | mm  | 99 × 82 × 29       | 99 × 82 × 29       | 99 × 97 × 30       | 129 × 97 × 30   | 159 × 97 × 30          | 159 × 97 × 30      |
|                                       | inch  | 3.90 × 3.23 × 1.14 | 3.90 × 3.23 × 1.14 | 3.90 × 3.82 × 1.18 | 5.08 × 3.82 × 1.18                                      | 6.26 × 3.82 × 1.18     | 6.26 × 3.82 × 1.18 |
| Unit Weight                           | kg  | 0.17               | 0.18               | 0.22               | 0.29  | 0.35                   | 0.39               |
|                                       | lb  | 0.36               | 0.39               | 0.48               | 0.63  | 0.78                   | 0.86               |
| Cooling System                        | Convection  |                    |                    |                    |   |                        |                    |
| MTBF <sup>2)</sup>                    | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs   | > 700,000 hrs          |                    |
| ENVIRONMENT                           |   |                    |                    |                    |   |                        |                    |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C  |                    |                    |                    |   |                        |                    |
| Storage Temperature                   | -40°C to +85°C  |                    |                    |                    |   |                        |                    |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing)                           |                    |                    |                    |   |                        |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                           |                    |                    |                    |   |                        |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

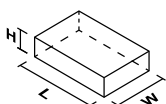
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                |                               | PMT-24V35W2BA   | PMT-24V50W2BA      | PMT-24V75W2BA□     | PMT-24V100W2BA□    |
|---------------------------------------|-------------------------------|---|--------------------|--------------------|--------------------|
| Output Voltage                        |                               | 24V   | 24V                | 24V                | 24V                |
| Output Voltage Range                  |                               | 21.6-26.4V  | 21.6-26.4V         | 21.6-26.4V         | 21.6-26.4V         |
| Output Current                        |                               | 1.5A  | 2.2A               | 3.2A               | 4.5A               |
| Output Power                          |                               | 36W   | 52.8W              | 76.8W              | 108W               |
| PARD (20MHz)                          |                               | < 150mVpp @ 0°C to 70°C,<br>450mVpp typ. @ -30°C to 0°C |                    |                    |                    |
| Hold-up Time                          | 115Vac                        | 16ms typ.   | 12ms typ.          | 11ms typ.          | 9ms typ.           |
|                                       | 230Vac                        | 70ms typ.   | 60ms typ.          | 52ms typ.          | 42ms typ.          |
| INPUT                                 |                               |   |                    |                    |                    |
| Phase Input                           | Single Phase                  |   |                    |                    |                    |
| Input Voltage Range                   | 90-264Vac                     |   |                    |                    |                    |
| Input Frequency                       | 47-63Hz                       |   |                    |                    |                    |
| Input Current                         | 115Vac                        | 0.7A typ.   | 0.95A typ.         | 1.4A typ.          | 1.9A typ.          |
|                                       | 230Vac                        | 0.42A typ.  | 0.6A typ.          | 0.85A typ.         | 1.2A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac                        | 88.5% typ.  | 88.0% typ.         | 89.5% typ.         | 90.0% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac                        | 45A typ.  | 45A typ.           | 55A typ.           | 55A typ.           |
| Power Factor                          | NA                            |   |                    |                    |                    |
| Leakage Current (50Hz)                | 240Vac                        | < 0.5mA   | < 0.5mA            | < 0.5mA            | < 0.5mA            |
| MECHANICAL                            |                               |   |                    |                    |                    |
| Case Cover / Chassis                  | SGCC / Aluminium              |   |                    |                    |                    |
| Dimensions (L × W × H)                | mm                            | 99 × 82 × 29  | 99 × 82 × 29       | 99 × 97 × 30       | 129 × 97 × 30      |
|                                       | inch                          | 3.90 × 3.23 × 1.14                                      | 3.90 × 3.23 × 1.14 | 3.90 × 3.82 × 1.18 | 5.08 × 3.82 × 1.18 |
| Unit Weight                           | kg                            | 0.17  | 0.18               | 0.22               | 0.29               |
|                                       | lb                            | 0.36  | 0.39               | 0.48               | 0.63               |
| Cooling System                        | Convection                    |   |                    |                    |                    |
| MTBF <sup>2)</sup>                    |                               | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| ENVIRONMENT                           |                               |   |                    |                    |                    |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C                |   |                    |                    |                    |
| Storage Temperature                   | -40°C to +85°C                |   |                    |                    |                    |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing) |   |                    |                    |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft) |   |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

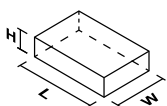
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |   | NEW   | NEW   | NEW   |
|--|---|---|---|---|
|  |   | PMT-24V150W2CA□   | PMT-24V200W2B□□                                 | PMT-24V350W2B□□   |
| Output Voltage                           |   | 24V   | 24V   | 24V   |
| Output Voltage Range                     |   | 21.6-26.4V  | 21.6-26.4V                                      | 21.6-26.4V  |
| Output Current                           |   | 6.25A   | 8.8A  | 14.6A<br>(21.9A for 1s) <sup>2)</sup>                   |
| Output Power                             |   | 150W  | 211.2W  | 350.4W<br>(525.6W for 1s) <sup>2)</sup>                 |
| PARD (20MHz)                             |   | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |   | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |
| Hold-up Time                             | 115Vac  | 30ms typ.   | 12ms typ.                                       | 30ms typ.   |
|  | 230Vac  |   | 55ms typ.                                       |   |
| <b>INPUT</b>                             |   |   |   |   |
| Phase Input                              | Single Phase                                    |   |   |   |
| Input Voltage Range                      | 90-132Vac, 180-264Vac<br>(Selectable by Switch) | 90-264Vac   | 90-132Vac, 180-264Vac<br>(Selectable by Switch) |   |
| Input Frequency                          | 47-63Hz   |   |   |   |
| Input Current                            | 115Vac  | 3.0A typ.   | 4.0A typ.                                       | 6.0A typ.   |
|  | 230Vac  | 1.7A typ.   | 2.2A typ.                                       | 3.4A typ.   |
| Efficiency <sup>1)</sup><br>at 100% Load | 230Vac  | 89.0% typ.  | 90% typ.  | 87.0% typ.  |
| Max Inrush Current<br>(Cold Start)       | 230Vac  | 60A typ.  | 60A typ.  | 60A typ.  |
| Power Factor                             | NA  |   |   |   |
| Leakage Current<br>(50Hz)                | 240Vac  | < 0.5mA   | < 0.5mA   | < 0.75mA  |
| <b>MECHANICAL</b>                        |   |   |   |   |
| Case Cover / Chassis                     | SGCC / Aluminium                                |   |   |   |
| Dimensions<br>(L × W × H)                | mm  | 159 × 97 × 30   | 159 × 97 × 30                                   | 215 × 115 × 30  |
|  | inch  | 6.26 × 3.82 × 1.18                                      | 6.26 × 3.82 × 1.18                              | 8.46 × 4.53 × 1.18                                      |
| Unit Weight                              | kg  | 0.35  | 0.39  | 0.83  |
|  | lb  | 0.78  | 0.86  | 1.84  |
| Cooling System                           | Convection                                      |   |   | Forced Air (Built-in Fan)                               |
| MTBF <sup>3)</sup>                       | > 700,000 hrs                                   | > 700,000 hrs   | > 700,000 hrs                                   | > 700,000 hrs   |
| <b>ENVIRONMENT</b>                       |   |   |   |   |
| Operating Temperature <sup>4)</sup>      | -30°C to +70°C                                  |   |   |   |
| Storage Temperature                      | -40°C to +85°C                                  |   |   |   |
| Operating Humidity                       | 20 to 90% RH (Non-Condensing)                   |   |   |   |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft)                   |   |   |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) PMT-24V350W2BR□ models only.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

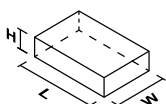
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

|                                       |   |                    |                    |                    |   |                    | NEW       |
|---------------------------------------|---|--------------------|--------------------|--------------------|---|--------------------|-----------|
| OUTPUT                                | PMT-30V35W2BA   | PMT-30V50W2BA      | PMT-30V75W2BA      | PMT-30V100W2BA     | PMT-30V150W2BA  | PMT-30V150W2CA     |           |
| Output Voltage                        | 30V   | 30V                | 30V                | 30V                | 30V   | 30V                |           |
| Output Voltage Range                  | 27-33V  | 27-33V             | 27-33V             | 27-33V             | 27-33V  | 27.0-33.0V         |           |
| Output Current                        | 1.2A  | 1.7A               | 2.5A               | 3.6A               | 5.0A  | 5.0A               |           |
| Output Power                          | 36W   | 51W                | 75W                | 108W               | 150W  | 150W               |           |
| PARD (20MHz)                          | < 150mVpp @ 0°C to 70°C,<br>450mVpp typ. @ -30°C to 0°C |                    |                    |                    | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |                    |           |
| Hold-up Time                          | 115Vac  | 16ms typ.          | 12ms typ.          | 11ms typ.          | 9ms typ.  | 30ms typ.          |           |
|                                       | 230Vac  | 70ms typ.          | 60ms typ.          | 52ms typ.          | 42ms typ.   |                    | 12ms typ. |
| <b>INPUT</b>                          |   |                    |                    |                    |   |                    |           |
| Phase Input                           | Single Phase  |                    |                    |                    |   |                    |           |
| Input Voltage Range                   | 90-264Vac   |                    |                    |                    | 90-132Vac, 180-264Vac (Selectable by Switch)            | 90-264Vac          |           |
| Input Frequency                       | 47-63Hz   |                    |                    |                    |   |                    |           |
| Input Current                         | 115Vac  | 0.70A typ.         | 0.95A typ.         | 1.4A typ.          | 1.9A typ.   | 3.0A typ.          |           |
|                                       | 230Vac  | 0.42A typ.         | 0.60A typ.         | 0.85A typ.         | 1.2A typ.   | 1.7A typ.          |           |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac  | 87.5% typ.         | 88.0% typ.         | 89.5% typ.         | 90.0% typ.  | 89.0% typ.         |           |
| Max Inrush Current (Cold Start)       | 230Vac  | 45A typ.           | 45A typ.           | 55A typ.           | 55A typ.  | 60A typ.           |           |
| Power Factor                          | NA  |                    |                    |                    |   |                    |           |
| Leakage Current (50Hz)                | 240Vac  | < 0.5mA            | < 0.5mA            | < 0.5mA            | < 0.5mA   | < 0.5mA            |           |
| <b>MECHANICAL</b>                     |   |                    |                    |                    |   |                    |           |
| Case Cover / Chassis                  | SGCC / Aluminium  |                    |                    |                    |   |                    |           |
| Dimensions (L x W x H)                | mm  | 99 x 82 x 29       | 99 x 82 x 29       | 99 x 97 x 30       | 129 x 97 x 30   | 159 x 97 x 30      |           |
|                                       | inch  | 3.90 x 3.23 x 1.14 | 3.90 x 3.23 x 1.14 | 3.90 x 3.82 x 1.18 | 5.08 x 3.82 x 1.18                                      | 6.26 x 3.82 x 1.18 |           |
| Unit Weight                           | kg  | 0.17               | 0.18               | 0.22               | 0.29  | 0.35               |           |
|                                       | lb  | 0.36               | 0.39               | 0.48               | 0.63  | 0.78               |           |
| Cooling System                        | Convection  |                    |                    |                    |   |                    |           |
| MTBF <sup>2)</sup>                    | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs   | > 700,000 hrs      |           |
| <b>ENVIRONMENT</b>                    |   |                    |                    |                    |   |                    |           |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C  |                    |                    |                    |   |                    |           |
| Storage Temperature                   | -40°C to +85°C  |                    |                    |                    |   |                    |           |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing)                           |                    |                    |                    |   |                    |           |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                           |                    |                    |                    |   |                    |           |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMT2

### Features

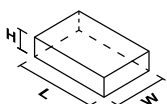


- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                |        | PMT-36V35W2BA   | PMT-36V50W2BA      | PMT-36V75W2BA      | PMT-36V100W2BA     |
|---------------------------------------|--------|---|--------------------|--------------------|--------------------|
| Output Voltage                        |        | 36V   | 36V                | 36V                | 36V                |
| Output Voltage Range                  |        | 32.4-39.6V  | 32.4-39.6V         | 32.4-39.6V         | 32.4-39.6V         |
| Output Current                        |        | 1A  | 1.45A              | 2.1A               | 3A                 |
| Output Power                          |        | 36W   | 52.2W              | 75.6W              | 108W               |
| PARD (20MHz)                          |        | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |                    |                    |                    |
| Hold-up Time                          | 115Vac | 16ms typ.   | 12ms typ.          | 11ms typ.          | 9ms typ.           |
|                                       | 230Vac | 70ms typ.   | 60ms typ.          | 52ms typ.          | 42ms typ.          |
| INPUT                                 |        |   |                    |                    |                    |
| Phase Input                           |        | Single Phase  |                    |                    |                    |
| Input Voltage Range                   |        | 90-264Vac   |                    |                    |                    |
| Input Frequency                       |        | 47-63Hz   |                    |                    |                    |
| Input Current                         | 115Vac | 0.7A typ.   | 0.95A typ.         | 1.4A typ.          | 1.9A typ.          |
|                                       | 230Vac | 0.42A typ.  | 0.6A typ.          | 0.85A typ.         | 1.2A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac | 89.0% typ.  | 89.0% typ.         | 90.5% typ.         | 91.0% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac | 45A typ.  | 45A typ.           | 55A typ.           | 55A typ.           |
| Power Factor                          |        | NA  |                    |                    |                    |
| Leakage Current (50Hz)                | 240Vac | < 0.5mA   | < 0.5mA            | < 0.5mA            | < 0.5mA            |
| MECHANICAL                            |        |   |                    |                    |                    |
| Case Cover / Chassis                  |        | SGCC / Aluminium  |                    |                    |                    |
| Dimensions (L × W × H)                | mm     | 99 × 82 × 29  | 99 × 82 × 29       | 99 × 97 × 30       | 129 × 97 × 30      |
|                                       | inch   | 3.90 × 3.23 × 1.14                                      | 3.90 × 3.23 × 1.14 | 3.90 × 3.82 × 1.18 | 5.08 × 3.82 × 1.18 |
| Unit Weight                           | kg     | 0.17  | 0.18               | 0.22               | 0.29               |
|                                       | lb     | 0.36  | 0.39               | 0.48               | 0.63               |
| Cooling System                        |        | Convection  |                    |                    |                    |
| MTBF <sup>2)</sup>                    |        | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| ENVIRONMENT                           |        |   |                    |                    |                    |
| Operating Temperature <sup>3)</sup>   |        | -30°C to +70°C  |                    |                    |                    |
| Storage Temperature                   |        | -40°C to +85°C  |                    |                    |                    |
| Operating Humidity                    |        | 20 to 90% RH (Non-Condensing)                           |                    |                    |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft)                           |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

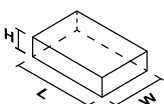
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   | PMT-36V150W2BA  | NEW<br>PMT-36V150W2CA | NEW<br>PMT-36V200W2B□                           | PMT-36V350W2B□                          |
|--|---|-----------------------|---|---|
| Output Voltage                           | 36V   | 36V                   | 36V   | 36V                                     |
| Output Voltage Range                     | 32.4-39.6V  | 32.4-39.6V            | 32.4-39.6V                                      | 32.4-39.6V                              |
| Output Current                           | 4.3A  | 4.3A                  | 5.9A  | 9.7A<br>(14.55A for 1s) <sup>2)</sup>   |
| Output Power                             | 154.8W  | 154.8W                | 212.4W  | 349.2W<br>(523.8W for 1s) <sup>2)</sup> |
| PARD (20MHz)                             | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |                       |   |   |
| Hold-up Time                             | 115Vac  | 30ms typ.             | 12ms typ.                                       | 30ms typ.                               |
|  | 230Vac  |                       | 55ms typ.                                       |   |
| <b>INPUT</b>                             |   |                       |   |   |
| Phase Input                              | Single Phase  |                       |   |   |
| Input Voltage Range                      | 90-132Vac, 180-264Vac<br>(Selectable by Switch)         | 90-264Vac             | 90-132Vac, 180-264Vac<br>(Selectable by Switch) |   |
| Input Frequency                          | 47-63Hz   |                       |   |   |
| Input Current                            | 115Vac  | 3.0A typ.             | 3.0A typ.                                       | 4.0A typ.                               |
|  | 230Vac  | 1.7A typ.             | 1.7A typ.                                       | 2.2A typ.                               |
| Efficiency <sup>1)</sup><br>at 100% Load | 230Vac  | 89.5% typ.            | 90% typ.  | 90.0% typ.                              |
| Max Inrush Current<br>(Cold Start)       | 230Vac  | 60A typ.              | 60A typ.  | 60A typ.                                |
| Power Factor                             | NA  |                       |   |   |
| Leakage Current<br>(50Hz)                | 240Vac  | < 0.5mA               | < 0.5mA   | < 0.75mA                                |
| <b>MECHANICAL</b>                        |   |                       |   |   |
| Case Cover / Chassis                     | SGCC / Aluminium  |                       |   |   |
| Dimensions<br>(L × W × H)                | mm  | 159 × 97 × 30         | 159 × 97 × 30                                   | 159 × 97 × 30                           |
|  | inch  | 6.26 × 3.82 × 1.18    | 6.26 × 3.82 × 1.18                              | 6.26 × 3.82 × 1.18                      |
| Unit Weight                              | kg  | 0.35                  | 0.39  | 0.42                                    |
|  | lb  | 0.78                  | 0.86  | 0.93                                    |
| Cooling System                           | Convection  |                       |   | Forced Air (Built-in Fan)               |
| MTBF <sup>3)</sup>                       | > 700,000 hrs   | > 700,000 hrs         | > 700,000 hrs                                   | > 700,000 hrs                           |
| <b>ENVIRONMENT</b>                       |   |                       |   |   |
| Operating Temperature <sup>4)</sup>      | -30°C to +70°C  |                       |   |   |
| Storage Temperature                      | -40°C to +85°C  |                       |   |   |
| Operating Humidity                       | 20 to 90% RH (Non-Condensing)                           |                       |   |   |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft)                           |                       |   |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) PMT-36V350W2BR model only.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

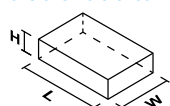


- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                | PMT-48V35W2BA   | PMT-48V50W2BA      | PMT-48V75W2BA      | PMT-48V100W2BA     |
|---------------------------------------|---|--------------------|--------------------|--------------------|
| Output Voltage                        | 48V   | 48V                | 48V                | 48V                |
| Output Voltage Range                  | 43.2-52.8V  | 43.2-52.8V         | 43.2-52.8V         | 43.2-52.8V         |
| Output Current                        | 0.8A  | 1.1A               | 1.6A               | 2.3A               |
| Output Power                          | 38.4W   | 52.8W              | 76.8W              | 110.4W             |
| PARD (20MHz)                          | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |                    |                    |                    |
| Hold-up Time                          | 115Vac  | 16ms typ.          | 12ms typ.          | 11ms typ.          |
|                                       | 230Vac  | 70ms typ.          | 60ms typ.          | 52ms typ.          |
| <b>INPUT</b>                          |   |                    |                    |                    |
| Phase Input                           | Single Phase  |                    |                    |                    |
| Input Voltage Range                   | 90-264Vac   |                    |                    |                    |
| Input Frequency                       | 47-63Hz   |                    |                    |                    |
| Input Current                         | 115Vac  | 0.7A typ.          | 0.95A typ.         | 1.4A typ.          |
|                                       | 230Vac  | 0.42A typ.         | 0.6A typ.          | 0.85A typ.         |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac  | 89.5% typ.         | 88.5% typ.         | 90.0% typ.         |
| Max Inrush Current (Cold Start)       | 230Vac  | 45A typ.           | 45A typ.           | 55A typ.           |
| Power Factor                          | NA  |                    |                    |                    |
| Leakage Current (50Hz)                | 240Vac  | < 0.5mA            | < 0.5mA            | < 0.5mA            |
| <b>MECHANICAL</b>                     |   |                    |                    |                    |
| Case Cover / Chassis                  | SGCC / Aluminium  |                    |                    |                    |
| Dimensions (L × W × H)                | mm  | 99 × 82 × 29       | 99 × 82 × 29       | 99 × 97 × 30       |
|                                       | inch  | 3.90 × 3.23 × 1.14 | 3.90 × 3.23 × 1.14 | 3.90 × 3.82 × 1.18 |
| Unit Weight                           | kg  | 0.17               | 0.18               | 0.22               |
|                                       | lb  | 0.36               | 0.39               | 0.48               |
| Cooling System                        | Convection  |                    |                    |                    |
| MTBF <sup>2)</sup>                    | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| <b>ENVIRONMENT</b>                    |   |                    |                    |                    |
| Operating Temperature <sup>3)</sup>   | -30°C to +70°C  |                    |                    |                    |
| Storage Temperature                   | -40°C to +85°C  |                    |                    |                    |
| Operating Humidity                    | 20 to 90% RH (Non-Condensing)                           |                    |                    |                    |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                           |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMT2

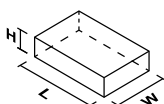
### Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                   | PMT-48V150W2BA  | NEW<br>PMT-48V150W2CA | NEW<br>PMT-48V200W2B□                           | PMT-48V350W2B□                          |
|--|---|-----------------------|---|---|
| Output Voltage                           | 48V   | 48V                   | 48V   | 48V                                     |
| Output Voltage Range                     | 43.2-52.8V  | 43.2-52.8V            | 43.2-52.8V                                      | 43.2-52.8V                              |
| Output Current                           | 3.3A  | 3.3A                  | 4.4A  | 7.3A<br>(10.95A for 1s) <sup>2)</sup>   |
| Output Power                             | 158.4W  | 158.4W                | 211.2W  | 350.4W<br>(525.6W for 1s) <sup>2)</sup> |
| PARD (20MHz)                             | < 200mVpp @ 0°C to 70°C,<br>600mVpp typ. @ -30°C to 0°C |                       |   |   |
| Hold-up Time                             | 115Vac  | 30ms typ.             | 12ms typ.                                       | 20ms typ.                               |
|  | 230Vac  |                       | 55ms typ.                                       |   |
| <b>INPUT</b>                             |   |                       |   |   |
| Phase Input                              | Single Phase  |                       |   |   |
| Input Voltage Range                      | 90-132Vac, 180-264Vac<br>(Selectable by Switch)         | 90-264Vac             | 90-132Vac, 180-264Vac<br>(Selectable by Switch) |   |
| Input Frequency                          | 47-63Hz   |                       |   |   |
| Input Current                            | 115Vac  | 3.0A typ.             | 3.0A typ.                                       | 4.0A typ.                               |
|  | 230Vac  | 1.7A typ.             | 1.7A typ.                                       | 2.2A typ.                               |
| Efficiency <sup>1)</sup><br>at 100% Load | 230Vac  | 91.0% typ.            | 91% typ.  | 91.0% typ.                              |
| Max Inrush Current<br>(Cold Start)       | 230Vac  | 60A typ.              | 60A typ.  | 60A typ.                                |
| Power Factor                             | NA  |                       |   |   |
| Leakage Current<br>(50Hz)                | 240Vac  | < 0.5mA               | < 0.5mA   | < 0.75mA                                |
| <b>MECHANICAL</b>                        |   |                       |   |   |
| Case Cover / Chassis                     | SGCC / Aluminium  |                       |   |   |
| Dimensions<br>(L × W × H)                | mm  | 159 × 97 × 30         | 159 × 97 × 30                                   | 159 × 97 × 30                           |
|  | inch  | 6.26 × 3.82 × 1.18    | 6.26 × 3.82 × 1.18                              | 6.26 × 3.82 × 1.18                      |
| Unit Weight                              | kg  | 0.35                  | 0.39  | 0.42                                    |
|  | lb  | 0.78                  | 0.86  | 0.93                                    |
| Cooling System                           | Convection  |                       |   | Forced Air (Built-in Fan)               |
| MTBF <sup>3)</sup>                       | > 700,000 hrs   | > 700,000 hrs         | > 700,000 hrs                                   | > 700,000 hrs                           |
| <b>ENVIRONMENT</b>                       |   |                       |   |   |
| Operating Temperature <sup>4)</sup>      | -30°C to +70°C  |                       |   |   |
| Storage Temperature                      | -40°C to +85°C  |                       |   |   |
| Operating Humidity                       | 20 to 90% RH (Non-Condensing)                           |                       |   |   |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft)                           |                       |   |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) PMT-48V350W2BR model only.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMT2

### Features

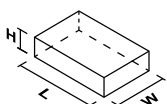


- Isolated & non-isolated Output & Ground for CH1 & CH2
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Certified according to IEC/EN/UL 62368-1

### Specifications

|                                       |        | NEW  | NEW   |
|---------------------------------------|--------|--|---|
| OUTPUT                                |        | PMT-D1V75W2□A  | PMT-D2V75W2□A   |
| Output Voltage                        |        | V1: 5V, V2: 12V  | V1: 5V, V2: 24V   |
| Output Voltage Range                  |        | V1: Fixed, V2: 10.8-13.2V  | V1: Fixed, V2: 21.6-26.4V   |
| Output Current                        |        | V1: 0-5.0A, V2: 0.3-4.0A   | V1: 0-5.0A, V2: 0.2-2.1A  |
| Output Power                          |        | 73W  | 75.4W   |
| PARD (20MHz)                          |        | V1: < 100mVpp, V2: < 120mVpp @ 0°C to 70°C<br>V1: 300mVpp, V2: 360mVpp typ. @ -30°C to 0°C | V1: < 100mVpp, V2: < 150mVpp @ 0°C to 70°C<br>V1: 300mVpp, V2: 450mVpp typ @ -30°C to 0°C |
| Hold-up Time                          | 115Vac | 10ms typ.  | 10ms typ.   |
|                                       | 230Vac | 50ms typ.  | 50ms typ.   |
| INPUT                                 |        |  |   |
| Phase Input                           |        | Single Phase   |   |
| Input Voltage Range                   |        | 90-264Vac  |   |
| Input Frequency                       |        | 47-63Hz  |   |
| Input Current                         | 115Vac | 1.4A typ.  | 1.4A typ.   |
|                                       | 230Vac | 0.85A typ.   | 0.85A typ.  |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac | 83.0% typ.   | 85.0% typ.  |
| Max Inrush Current (Cold Start)       | 230Vac | 55A typ.   | 55A typ.  |
| Power Factor                          |        | NA   |   |
| Leakage Current (50Hz)                | 240Vac | < 0.5mA  | < 0.5mA   |
| MECHANICAL                            |        |  |   |
| Case Cover / Chassis                  |        | SGCC / Aluminium   |   |
| Dimensions (L × W × H)                | mm     | 129 × 97 × 30  | 129 × 97 × 30   |
|                                       | inch   | 5.08 × 3.82 × 1.18   | 5.08 × 3.82 × 1.18  |
| Unit Weight                           | kg     | 0.28   | 0.28  |
|                                       | lb     | 0.61   | 0.61  |
| Cooling System                        |        | Convection   |   |
| MTBF <sup>2)</sup>                    |        | > 700,000 hrs  | > 700,000 hrs   |
| ENVIRONMENT                           |        |  |   |
| Operating Temperature <sup>3)</sup>   |        | -30°C to +70°C   |   |
| Storage Temperature                   |        | -40°C to +85°C   |   |
| Operating Humidity                    |        | 20 to 90% RH (Non-Condensing)  |   |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft)  |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMC

### Features

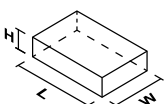
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-05V015W1AA)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



### Specifications

| OUTPUT                                |        | PMC-05V015W1AA                                      | PMC-05V035W1A□     | PMC-05V050W1AA     |
|---------------------------------------|--------|---|--------------------|--------------------|
| Output Voltage                        |        | 5V  | 5V                 | 5V                 |
| Output Voltage Range                  |        | 4.75-5.50V  | 4.75-5.50V         | 4.75-5.50V         |
| Output Current                        |        | 0-3.0A  | 0-7.0A             | 0-10.0A            |
| Output Power                          |        | 15W   | 35W                | 50W                |
| PARD (20MHz)                          |        | < 70mVpp  |                    |                    |
| Hold-up Time                          | 115Vac | > 15ms  | > 15ms             | > 15ms             |
|                                       | 230Vac | > 80ms  | > 80ms             | > 80ms             |
| INPUT                                 |        |   |                    |                    |
| Phase Input                           |        | Single Phase  |                    |                    |
| Input Voltage Range                   |        | 85-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |                    |                    |
| Input Frequency                       |        | 47-63Hz   |                    |                    |
| Input Current                         | 115Vac | < 0.32A   | < 0.90A            | < 1.10A            |
|                                       | 230Vac | < 0.22A   | < 0.80A            | < 0.70A            |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac | > 79.0%   | > 78.0%            | > 79.0%            |
|                                       | 230Vac | > 79.0%   | > 79.0%            | > 79.0%            |
| Max Inrush Current (Cold Start)       | 115Vac | < 30A   | < 30A              | < 30A              |
|                                       | 230Vac | < 65A   | < 60A              | < 65A              |
| Power Factor                          |        | Conform to EN 61000-3-2                             |                    |                    |
| Leakage Current                       | 240Vac | < 1mA   | < 1mA              | < 1mA              |
| MECHANICAL                            |        |   |                    |                    |
| Case Cover / Chassis                  |        | SECC Steel  | Aluminium          |                    |
| Dimensions (L × W × H)                | mm     | 77 × 51 × 28  | 98 × 97 × 38       | 128 × 97 × 38      |
|                                       | inch   | 3.03 × 2.01 × 1.10                                  | 3.86 × 3.82 × 1.50 | 5.04 × 3.82 × 1.50 |
| Unit Weight                           | kg     | 0.16  | 0.18               | 0.26               |
|                                       | lb     | 0.35  | 0.40               | 0.57               |
| Cooling System                        |        | Convection  |                    |                    |
| MTBF <sup>3)</sup>                    |        | > 700,000 hrs                                       | > 700,000 hrs      | > 700,000 hrs      |
| ENVIRONMENT                           |        |   |                    |                    |
| Operating Temperature <sup>4)</sup>   |        | -10°C to +70°C                                      |                    |                    |
| Storage Temperature                   |        | -25°C to +85°C                                      |                    |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)                        |                    |                    |
| Operating Altitude                    |        | 0 to 3,000 m (0 to 9,840 ft)                        |                    |                    |

#### Dimensions Reference



#### Notes

- 1) All models are certified for DC input except PMC-05V015W1AA which still fulfills the test conditions of this range. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMC

### Features

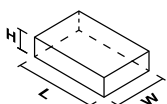
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



### Specifications

| OUTPUT                                   |        | PMC-12V035W1A□                                      | PMC-12V050W1A□     | PMC-12V060W1NA     | PMC-12V100W1A□     |
|--|--------|---|--------------------|--------------------|--------------------|
| Output Voltage                           |        | 12V   | 12V                | 12V                | 12V                |
| Output Voltage Range                     |        | 11-14V  | 11-14V             | 12-14V             | 11-14V             |
| Output Current                           |        | 0-3.0A  | 0-4.17A            | 0-5.0A             | 0-8.33A            |
| Output Power                             |        | 35W   | 50W                | 60W                | 100W               |
| PAR (20MHz)                              |        | < 100mVpp   |                    |                    |                    |
| Hold-up Time                             | 115Vac | > 15ms  | > 15ms             | > 15ms             | > 15ms             |
|  | 230Vac | > 80ms  | > 80ms             | > 80ms             | > 80ms             |
| INPUT                                    |        |   |                    |                    |                    |
| Phase Input                              |        | Single Phase  |                    |                    |                    |
| Input Voltage Range                      |        | 85-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |                    |                    |                    |
| Input Frequency                          |        | 47-63Hz   |                    |                    |                    |
| Input Current                            | 115Vac | < 0.75A   | < 1.10A            | < 1.35A            | < 2.00A            |
|  | 230Vac | < 0.50A   | < 0.70A            | < 0.90A            | < 1.10A            |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac | > 85.0%   | > 84.0%            | > 86.0%            | > 84.0%            |
|  | 230Vac | > 86.0%   | > 84.0%            | > 87.0%            | > 86.0%            |
| Max Inrush Current<br>(Cold Start)       | 115Vac | < 30A   | < 30A              | < 50A              | < 60A              |
|  | 230Vac | < 60A   | < 65A              | < 100A             | < 130A             |
| Power Factor                             |        | Conform to EN 61000-3-2                             |                    |                    |                    |
| Leakage Current                          | 240Vac | < 1mA   | < 1mA              | < 1mA              | < 1mA              |
| MECHANICAL                               |        |   |                    |                    |                    |
| Case Cover / Chassis                     |        | Aluminium   |                    |                    |                    |
| Dimensions<br>(L × W × H)                | mm     | 98 × 97 × 38  | 128 × 97 × 38      | 128 × 97 × 38      | 158 × 97 × 38      |
|  | inch   | 3.86 × 3.82 × 1.50                                  | 5.04 × 3.82 × 1.50 | 5.04 × 3.82 × 1.50 | 6.22 × 3.82 × 1.50 |
| Unit Weight                              | kg     | 0.21  | 0.26               | 0.28               | 0.45               |
|  | lb     | 0.46  | 0.57               | 0.62               | 0.99               |
| Cooling System                           |        | Convection  |                    |                    |                    |
| MTBF <sup>3)</sup>                       |        | > 700,000 hrs                                       | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| ENVIRONMENT                              |        |   |                    |                    |                    |
| Operating Temperature <sup>4)</sup>      |        | -10°C to +70°C                                      |                    | -20°C to +70°C     |                    |
| Storage Temperature                      |        | -25°C to +85°C                                      |                    |                    |                    |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)                        |                    |                    |                    |
| Operating Altitude                       |        | 0 to 3,000 m (0 to 9,840 ft)                        |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMC

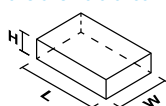
### Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (PMC-12V150W1B□)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

### Specifications

| OUTPUT                                |   | PMC-12V150W1B□     | PMC-12V600W1BA                                      |
|---------------------------------------|---|--------------------|---|
| Output Voltage                        |   | 12V                | 12V   |
| Output Voltage Range                  |   | 11-14V             | 10.8-13.2V  |
| Output Current                        |   | 0-12.5A            | 0-50A   |
| Output Power                          |   | 150W               | 600W  |
| PARD (20MHz)                          |   | < 100mVpp          | < 240mVpp   |
| Hold-up Time                          | 115Vac  | > 30ms             | > 20ms  |
|                                       | 230Vac  |                    |   |
| INPUT                                 |   |                    |   |
| Phase Input                           | Single Phase  |                    |   |
| Input Voltage Range                   | 85-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |                    | 85-264Vac (DC input range 120-375Vdc) <sup>1)</sup> |
| Input Frequency                       | 47-63Hz   |                    |   |
| Input Current                         | 115Vac  | < 1.70A @ 115Vac,  | < 6.5A @ 115Vac,                                    |
|                                       | 230Vac  | < 1.00A @ 230Vac   | < 3.2A @ 230Vac                                     |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac  | > 87.0% @ 115Vac,  | > 85.5% @ 115Vac,                                   |
|                                       | 230Vac  | > 88.0% @ 230Vac   | > 89.0% @ 230Vac                                    |
| Max Inrush Current (Cold Start)       | 115Vac  | < 60A @ 115Vac,    | < 10A @ 115Vac,                                     |
|                                       | 230Vac  | < 120A @ 230Vac    | < 20A @ 230Vac                                      |
| Power Factor                          | 115Vac  | > 0.99 @ 115Vac,   | > 0.98 @ 115Vac,                                    |
|                                       | 230Vac  | > 0.90 @ 230Vac    | > 0.95 @ 230Vac                                     |
| Leakage Current                       | 240Vac  | < 1mA              | < 1mA   |
| MECHANICAL                            |   |                    |   |
| Case Cover / Chassis                  | Aluminium   |                    | SECC Steel  |
| Dimensions (L × W × H)                | mm  | 178 × 97 × 38      | 215 × 120 × 61                                      |
|                                       | inch  | 7.01 × 3.82 × 1.50 | 8.46 × 4.72 × 2.40                                  |
| Unit Weight                           | kg  | 0.54               | 1.51  |
|                                       | lb  | 1.19               | 3.33  |
| Cooling System                        | Convection  |                    | Forced Air (Built-in Fan)                           |
| MTBF <sup>3)</sup>                    | > 700,000 hrs                                       |                    | > 700,000 hrs                                       |
| ENVIRONMENT                           |   |                    |   |
| Operating Temperature <sup>4)</sup>   | -10°C to +70°C                                      |                    | -20°C to +70°C                                      |
| Storage Temperature                   | -25°C to +85°C                                      |                    | -40°C to +85°C                                      |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                        |                    |   |
| Operating Altitude                    | 0 to 3,000 m (0 to 9,840 ft)                        |                    |   |

#### Dimensions Reference



#### Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-12V600W1BA, MTBF calculations do not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMC

### Features

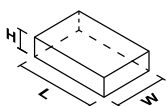
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



### Specifications

| OUTPUT                                |        | PMC-24V035W1A□                                      | PMC-24V050W1A□     | PMC-24V075W1A□     | PMC-24V100W1A□     | PMC-24V150W1A□                |
|---------------------------------------|--------|---|--------------------|--------------------|--------------------|-------------------------------|
| Output Voltage                        |        | 24V   | 24V                | 24V                | 24V                | 24V                           |
| Output Voltage Range                  |        | 22-28V  | 22-28V             | 22-28V             | 22-28V             | 22-28V                        |
| Output Current                        |        | 0-1.46A   | 0-2.1A             | 0-3.12A            | 0-4.17A            | 0-6.25A                       |
| Output Power                          |        | 35W   | 50W                | 75W                | 100W               | 150W                          |
| PARD (20MHz)                          |        | < 150mVpp   |                    | < 100mVpp          | < 150mVpp          | < 100mVpp                     |
| Hold-up Time                          | 115Vac | > 15ms  | > 15ms             | > 15ms             | > 15ms             | > 15ms                        |
|                                       | 230Vac | > 80ms  | > 90ms             | > 90ms             | > 90ms             | > 80ms                        |
| INPUT                                 |        |   |                    |                    |                    |                               |
| Phase Input                           |        | Single Phase  |                    |                    |                    |                               |
| Input Voltage Range                   |        | 85-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |                    |                    |                    |                               |
| Input Frequency                       |        | 47-63Hz   |                    |                    |                    |                               |
| Input Current                         | 115Vac | < 0.75A   | < 1.10A            | < 1.50A            | < 2.00A            | < 3.10A                       |
|                                       | 230Vac | < 0.50A   | < 0.70A            | < 1.00A            | < 1.10A            | < 2.00A                       |
| Efficiency <sup>2)</sup> at 100% Load | 115Vac | > 85.0%   | > 86.0%            | > 86.0%            | > 86.0%            | > 87.0%                       |
|                                       | 230Vac | > 85.0%   | > 86.0%            | > 86.0%            | > 86.0%            | > 88.0%                       |
| Max Inrush Current (Cold Start)       | 115Vac | < 30A   | < 30A              | < 40A              | < 50A              | < 60A                         |
|                                       | 230Vac | < 60A   | < 60A              | < 80A              | < 100A             | < 120A                        |
| Power Factor                          |        | Conform to EN 61000-3-2                             |                    |                    |                    | NA                            |
| Leakage Current                       | 240Vac | < 1mA   |                    |                    |                    |                               |
| MECHANICAL                            |        |   |                    |                    |                    |                               |
| Case Cover / Chassis                  |        | Aluminium   |                    |                    |                    |                               |
| Dimensions (L × W × H)                | mm     | 128 × 97 × 38                                       | 128 × 97 × 38      | 128 × 97 × 38      | 158 × 97 × 38      | 178 × 97 × 38                 |
|                                       | inch   | 5.04 × 3.82 × 1.50                                  | 5.04 × 3.82 × 1.50 | 5.04 × 3.82 × 1.50 | 6.22 × 3.82 × 1.50 | 7.01 × 3.82 × 1.50            |
| Unit Weight                           | kg     | 0.24  | 0.26               | 0.30               | 0.41               | 0.48                          |
|                                       | lb     | 0.53  | 0.57               | 0.66               | 0.90               | 1.06                          |
| Cooling System                        |        | Convection  |                    |                    |                    |                               |
| MTBF <sup>3)</sup>                    |        | > 700,000 hrs                                       | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                 |
| ENVIRONMENT                           |        |   |                    |                    |                    |                               |
| Operating Temperature <sup>4)</sup>   |        | -10°C to +70°C                                      |                    |                    |                    |                               |
| Storage Temperature                   |        | -25°C to +85°C                                      |                    |                    |                    |                               |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)                        |                    |                    |                    |                               |
| Operating Altitude                    |        | 0 to 3,000 m (0 to 9,840 ft)                        |                    |                    |                    | 0 to 5,000 m (0 to 16,400 ft) |

#### Dimensions Reference



#### Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PMC

### Features

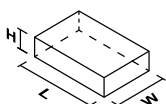
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



### Specifications

| OUTPUT                                   |        | PMC-24V150W2AA                                       | PMC-24V150W1B□                                      | PMC-24V300W1BA                              |
|--|--------|--|---|---|
| Output Voltage                           |        | 24V  | 24V   | V1: 24V, V2 SB: 12V                         |
| Output Voltage Range                     |        | 22-28V   | 22-28V  | V1: 22-28V                                  |
| Output Current                           |        | 0-6.25A  | 0-6.25A   | V1: 12.5A (0-12.5A)<br>V2 SB: 0.5A (0-0.5A) |
| Output Power                             |        | 150W   | 150W  | 300W  |
| PARD (20MHz)                             |        | < 100mVpp  |   |   |
| Hold-up Time                             | 115Vac | -  | > 30ms  | > 15ms @ nominal input, 100% load           |
|  | 230Vac | > 20ms   |   |   |
| INPUT                                    |        |  |   |   |
| Phase Input                              |        | Single Phase   |   |   |
| Input Voltage Range                      |        | 180-264Vac (DC input range 220-375Vdc) <sup>1)</sup> | 85-264Vac (DC input range 125-375Vdc) <sup>1)</sup> |   |
| Input Frequency                          |        | 47-63Hz  |   |   |
| Input Current                            | 115Vac | -  | < 1.7A  | < 4.0A                                      |
|  | 230Vac | < 1.6A   | < 1.0A  | < 2.0A                                      |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac | -  | > 89.0%   | > 86.0%                                     |
|  | 230Vac | > 87.0%  | > 91.0%   | > 88.0%                                     |
| Max Inrush Current<br>(Cold Start)       | 115Vac | -  | < 60A   | < 35A                                       |
|  | 230Vac | < 120A   | < 120A  | < 70A                                       |
| Power Factor                             | 115Vac | Conform to EN 61000-3-2                              | > 0.99  | > 0.99                                      |
|  | 230Vac |  | > 0.90  | > 0.97                                      |
| Leakage Current                          | 240Vac | < 1mA  | < 1mA   | < 1mA                                       |
| MECHANICAL                               |        |  |   |   |
| Case Cover / Chassis                     |        | Aluminium  |   |   |
| Dimensions<br>(L × W × H)                | mm     | 178 × 97 × 38  | 178 × 97 × 38                                       | 199 × 105 × 41                              |
|  | inch   | 7.01 × 3.82 × 1.50                                   | 7.01 × 3.82 × 1.50                                  | 7.83 × 4.13 × 1.61                          |
| Unit Weight                              | kg     | 0.50   | 0.54  | 0.82  |
|  | lb     | 1.10   | 1.19  | 1.81  |
| Cooling System                           |        | Convection   |   | Forced Air (Built-in Fan)                   |
| MTBF <sup>3)</sup>                       |        | > 700,000 hrs  | > 700,000 hrs                                       | > 700,000 hrs                               |
| ENVIRONMENT                              |        |  |   |   |
| Operating Temperature <sup>4)</sup>      |        | -10°C to +70°C                                       |   |   |
| Storage Temperature                      |        | -25°C to +85°C                                       |   |   |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)                         |   |   |
| Operating Altitude                       |        | 0 to 3,000 m (0 to 9,840 ft)                         | 0 to 5,000 m (0 to 16,400 ft)                       | 0 to 3,000 m (0 to 9,840 ft)                |

#### Dimensions Reference



#### Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While PMC-24V150W2AA is certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V300W1BA, MTBF calculations do not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.





## PMC

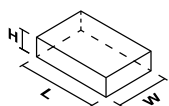
### Features

- Meet Surge Immunity IEC 61000-4-5, Level 4 (CM: 4kV, DM: 2kV)
- Built-in fan speed control and fan lock protection
- Wide operating temperature range -20°C to 70°C
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B (PMC-24V600W1BA)

### Specifications

| OUTPUT                                   |                  | PMC-24V600W1BA                                      | NEW<br>PMC-24V600W1RW                                   |
|--|------------------|---|---|
| Output Voltage                           |                  | 24V   | 24V   |
| Output Voltage Range                     |                  | 21.6-26.4V  | 21.6-27.6V  |
| Output Current                           |                  | 0-25.0A (50.0A for 5s)                              | 25.0A   |
| Output Power                             |                  | 600W (1,200W for 5s)                                | 600W  |
| PARD (20MHz)                             |                  | < 180mVpp   | < 150mVpp @ 0°C to 70°C,<br>180mVpp typ. @ -20°C to 0°C |
| Hold-up Time                             | 115Vac<br>230Vac | > 20ms  | 20ms typ.   |
| INPUT                                    |                  |   |   |
| Phase Input                              |                  | Single Phase  |   |
| Input Voltage Range                      |                  | 85-264Vac (DC input range 120-370Vdc) <sup>1)</sup> | 85-264Vac   |
| Input Frequency                          |                  | 47-63Hz   |   |
| Input Current                            | 115Vac<br>230Vac | < 6.5A<br>< 3.2A                                    | 6A typ.<br>3A typ.                                      |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac<br>230Vac | > 86.0%<br>> 89.0%                                  | 90.0% typ.<br>92.0% typ.                                |
| Max Inrush Current<br>(Cold Start)       | 115Vac<br>230Vac | < 20A<br>< 40A                                      | 20A typ.<br>40A typ.                                    |
| Power Factor                             | 115Vac<br>230Vac | > 0.99<br>> 0.94                                    | 0.99 typ.<br>0.97 typ.                                  |
| Leakage Current                          | 240Vac           | < 1.5mA   | < 0.75mA  |
| MECHANICAL                               |                  |   |   |
| Case Cover / Chassis                     |                  | SECC Steel  | SGCC  |
| Dimensions<br>(L × W × H)                | mm<br>inch       | 215 × 120 × 61<br>8.46 × 4.72 × 2.40                | 190 × 120 × 61<br>7.48 × 4.72 × 2.40                    |
| Unit Weight                              | kg<br>lb         | 1.60<br>3.53  | 1.40<br>3.10  |
| Cooling System                           |                  | Forced Air (Built-in Fan)                           |   |
| MTBF <sup>3)</sup>                       |                  | > 300,000 hrs                                       | > 700,000 hrs   |
| ENVIRONMENT                              |                  |   |   |
| Operating Temperature <sup>4)</sup>      |                  | -20°C to +70°C                                      |   |
| Storage Temperature                      |                  | -20°C to +75°C                                      | -30°C to +75°C  |
| Operating Humidity                       |                  | 5 to 95% RH (Non-Condensing)                        | 20 to 95% RH (Non-Condensing)                           |
| Operating Altitude                       |                  | 0 to 3,000 m (0 to 9,840 ft)                        | 0 to 5,000 m (0 to 16,400 ft)                           |

#### Dimensions Reference



#### Notes

- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V600W1BA, MTBF calculations does not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMC

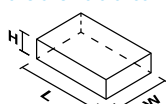
### Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-48V600W1BA)
- High MTBF > 700,000 hrs as per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

### Specifications

| OUTPUT                                   |        | PMC-48V150W1BA   | PMC-48V600W1BA   | PMC-DSPV100W1A   |
|--|--------|--|--|--|
| Output Voltage                           |        | 48V  | 48V  | V1: 24V, V2: 5V  |
| Output Voltage Range                     |        | 44-53V   | 43.2-52.8V   | V1: 22.8-26.4V   |
| Output Current                           |        | 0-3.125A   | 0-12.5A  | V1: 2.7A (0.3-4.0A)<br>V2: 7.0A (0.8-7.0A)             |
| Output Power                             |        | 150W   | 600W   | 100W   |
| PARD (20MHz)                             |        | < 200mVpp  | < 300mVpp  | V1: < 200mVpp,<br>V2: < 80mVpp                         |
| Hold-up Time                             | 115Vac | > 30ms   | > 20ms   | > 15ms   |
|  | 230Vac |  |  |  |
| INPUT                                    |        |  |  |  |
| Phase Input                              |        | Single Phase   |  |  |
| Input Voltage Range                      |        | 85-264Vac<br>(DC input range 125-375Vdc) <sup>1)</sup> | 85-264Vac<br>(DC input range 120-370Vdc) <sup>1)</sup> | 85-264Vac<br>(DC input range 125-375Vdc) <sup>1)</sup> |
| Input Frequency                          |        | 47-63Hz  |  |  |
| Input Current                            | 115Vac | < 1.7A   | < 6.5A   | < 2.0A   |
|  | 230Vac | < 1.0A   | < 3.2A   | < 1.1A   |
| Efficiency <sup>2)</sup><br>at 100% Load | 115Vac | > 89.0%  | > 87.0%  | > 84.0%  |
|  | 230Vac | > 91.0%  | > 90.0%  | > 86.0%  |
| Max Inrush Current<br>(Cold Start)       | 115Vac | < 20A  | < 20A  | < 50A  |
|  | 230Vac | < 40A  | < 40A  | < 100A   |
| Power Factor                             | 115Vac | > 0.99   | > 0.98   | Conform to EN 61000-3-2                                |
|  | 230Vac | > 0.92   | > 0.96   |  |
| Leakage Current                          | 240Vac | < 1.5mA  | < 1mA  | < 1mA  |
| MECHANICAL                               |        |  |  |  |
| Case Cover / Chassis                     |        | Aluminium  | SECC Steel   | Aluminium  |
| Dimensions<br>(L × W × H)                | mm     | 178 × 97 × 38  | 215 × 120 × 61   | 178 × 97 × 38  |
|  | inch   | 7.01 × 3.82 × 1.50                                     | 8.46 × 4.72 × 2.40                                     | 7.01 × 3.82 × 1.50                                     |
| Unit Weight                              | kg     | 0.53   | 1.54   | 0.52   |
|  | lb     | 1.17   | 3.40   | 1.15   |
| Cooling System                           |        | Convection   | Forced Air (Built-in Fan)                              | Convection   |
| MTBF <sup>3)</sup>                       |        | > 700,000 hrs  | > 700,000 hrs  | > 700,000 hrs  |
| ENVIRONMENT                              |        |  |  |  |
| Operating Temperature <sup>4)</sup>      |        | -10°C to +70°C   | -20°C to +70°C   | -10°C to +70°C   |
| Storage Temperature                      |        | -25°C to +85°C   | -40°C to +85°C   | -25°C to +85°C   |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)                           |  |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft)                          | 0 to 3,000 m (0 to 9,840 ft)                           |  |

#### Dimensions Reference



#### Notes

- 1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-48V600W1BA, MTBF calculations does not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMF

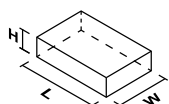
### Features

- Built-in active PFC and automatic fan speed control
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class D
- Remote ON/OFF is available as an option
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                |        | PMF-4V320WC□□                 | PMF-5V320WC□□      | PMF-24V240WC□□     | PMF-24V320WC□□     |
|---------------------------------------|--------|-------------------------------|--------------------|--------------------|--------------------|
| Output Voltage                        |        | 4.2V                          | 5V                 | 24V                | 24V                |
| Output Voltage Range                  |        | 3.78-4.62V                    | 4.50-5.50V         | 21.6-26.4V         | 21.6-26.4V         |
| Output Current                        |        | 55.0A                         | 55.0A              | 10.0A              | 13.3A              |
| Output Power                          |        | 231W                          | 275W               | 240W               | 320W               |
| PARD (20MHz)                          |        | < 150mVpp                     |                    |                    |                    |
| Hold-up Time                          | 115Vac | 16ms typ.                     | 16ms typ.          | 20ms typ.          | 20ms typ.          |
|                                       | 230Vac |                               |                    |                    |                    |
| INPUT                                 |        |                               |                    |                    |                    |
| Phase Input                           |        | Single Phase                  |                    |                    |                    |
| Input Voltage Range                   |        | 85-264Vac                     |                    |                    |                    |
| Input Frequency                       |        | 47-63Hz                       |                    |                    |                    |
| Input Current                         | 115Vac | 5.0A typ.                     | 5.0A typ.          | 3.6A typ.          | 5.0A typ.          |
|                                       | 230Vac | 2.5A typ.                     | 2.5A typ.          | 1.8A typ.          | 2.5A typ.          |
| Efficiency <sup>1)</sup> at 100% Load | 230Vac | 76.5% typ.                    | 78.5% typ.         | 87.0% typ.         | 87.0% typ.         |
| Max Inrush Current (Cold Start)       | 115Vac | 20A typ.                      | 20A typ.           | 30A typ.           | 20A typ.           |
|                                       | 230Vac | 40A typ.                      | 40A typ.           | 60A typ.           | 40A typ.           |
| Power Factor                          | 115Vac | 0.97 typ.                     | 0.98 typ.          | 0.99 typ.          | 0.98 typ.          |
|                                       | 230Vac | 0.94 typ.                     | 0.95 typ.          | 0.95 typ.          | 0.95 typ.          |
| Leakage Current                       | 240Vac | < 1mA                         | < 1mA              | < 0.5mA            | < 1mA              |
| MECHANICAL                            |        |                               |                    |                    |                    |
| Case Cover / Chassis                  |        | Aluminium                     |                    |                    |                    |
| Dimensions (L × W × H)                | mm     | 215 × 115 × 50                | 215 × 115 × 50     | 190 × 93 × 50      | 215 × 115 × 50     |
|                                       | inch   | 8.46 × 4.53 × 1.97            | 8.46 × 4.53 × 1.97 | 7.48 × 3.66 × 1.97 | 8.46 × 4.53 × 1.97 |
| Unit Weight                           | kg     | 0.86                          | 0.86               | 0.66               | 0.84               |
|                                       | lb     | 1.90                          | 1.90               | 1.46               | 1.85               |
| Cooling System                        |        | Forced Air (Built-in Fan)     |                    |                    |                    |
| MTBF <sup>2)</sup>                    |        | > 700,000 hrs                 | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs      |
| ENVIRONMENT                           |        |                               |                    |                    |                    |
| Operating Temperature <sup>3)</sup>   |        | -10°C to +70°C                |                    |                    |                    |
| Storage Temperature                   |        | -20°C to +85°C                |                    |                    |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)  |                    |                    |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). MTBF calculations do not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# 4.2V Output



## PMR

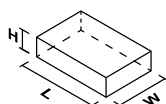
### Features

- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-4V320WDBA and PMR-4V320WDCA)

### Specifications

| OUTPUT                                   | PMR-4V320WC□A                 | PMR-4V320WDAA      | PMR-4V320WDGA      | PMR-4V320WDBA                    | PMR-4V320WDCA                    |                    |
|--|-------------------------------|--------------------|--------------------|----------------------------------|----------------------------------|--------------------|
| Output Voltage                           | 4.2V                          | 4.2V               | 4.2V               | 4.2V                             | 4.2V                             |                    |
| Output Voltage Range                     | 3.78-4.62V                    | 3.78-4.62V         | 3.78-4.62V         | 3.99-4.51V<br>(No potentiometer) | 3.99-4.51V<br>(No potentiometer) |                    |
| Output Current                           | 60.0A                         | 60.0A              | 60.0A              | 60.0A                            | 60.0A                            |                    |
| Output Power                             | 252W                          | 252W               | 252W               | 252W                             | 252W                             |                    |
| PARD (20MHz)                             | < 150mVpp                     |                    |                    |                                  |                                  |                    |
| Hold-up Time                             | 8ms typ.                      | 8ms typ.           | 8ms typ.           | 8ms typ.                         | 8ms typ.                         |                    |
| <b>INPUT</b>                             |                               |                    |                    |                                  |                                  |                    |
| Phase Input                              | Single Phase                  |                    |                    |                                  |                                  |                    |
| Input Voltage Range                      | 88-264Vac                     |                    |                    |                                  |                                  |                    |
| Input Frequency                          | 47-63Hz                       |                    |                    |                                  |                                  |                    |
| Input Current                            | 115Vac                        | 3.0A typ.          | 4.5A typ.          | 4.5A typ.                        | 4.5A typ.                        | 4.5A typ.          |
|  | 230Vac                        | 1.5A typ.          | 2.5A typ.          | 2.5A typ.                        | 2.5A typ.                        | 2.5A typ.          |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac                        | 80.5% typ.         | 84.5% typ.         | 84.5% typ.                       | 84.0% typ.                       | 84.0% typ.         |
|  | 230Vac                        | 83.5% typ.         | 86.5% typ.         | 86.5% typ.                       | 86.0% typ.                       | 86.0% typ.         |
| Max Inrush Current<br>(Cold Start)       | 115Vac                        | 20A typ.           | 20A typ.           | 20A typ.                         | 20A typ.                         | 20A typ.           |
|  | 230Vac                        | 40A typ.           | 40A typ.           | 40A typ.                         | 40A typ.                         | 40A typ.           |
| Power Factor                             | 115Vac                        | 0.98 typ.          | 0.98 typ.          | 0.98 typ.                        | 0.98 typ.                        | 0.98 typ.          |
|  | 230Vac                        | 0.95 typ.          | 0.95 typ.          | 0.95 typ.                        | 0.95 typ.                        | 0.95 typ.          |
| Leakage Current                          | 240Vac                        | < 0.5mA            | < 1mA              | < 1mA                            | < 1mA                            | < 1mA              |
| <b>MECHANICAL</b>                        |                               |                    |                    |                                  |                                  |                    |
| Case Cover / Chassis                     | Aluminium                     |                    |                    |                                  |                                  |                    |
| Dimensions<br>(L × W × H)                | mm                            | 215 × 115 × 30     | 215 × 115 × 30     | 215 × 115 × 30                   | 215 × 115 × 30                   | 215 × 115 × 30     |
|  | inch                          | 8.46 × 4.53 × 1.18 | 8.46 × 4.53 × 1.18 | 8.46 × 4.53 × 1.18               | 8.46 × 4.53 × 1.18               | 8.46 × 4.53 × 1.18 |
| Unit Weight                              | kg                            | 0.76               | 0.86               | 0.86                             | 0.86                             | 0.86               |
|  | lb                            | 1.68               | 1.90               | 1.90                             | 1.90                             | 1.90               |
| Cooling System                           | Forced Air (Built-in Fan)     |                    | Convection         |                                  |                                  |                    |
| MTBF <sup>2)</sup>                       | > 700,000 hrs                 | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                    | > 700,000 hrs                    |                    |
| <b>ENVIRONMENT</b>                       |                               |                    |                    |                                  |                                  |                    |
| Operating Temperature <sup>3)</sup>      | -10°C to +70°C                | -20°C to +70°C     |                    |                                  |                                  |                    |
| Storage Temperature                      | -40°C to +85°C                |                    |                    |                                  |                                  |                    |
| Operating Humidity                       | 5 to 95% RH (Non-Condensing)  |                    |                    |                                  |                                  |                    |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |                                  |                                  |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMR-4V320WC□A, MTBF calculation does not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMR

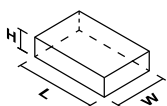
### Features

- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-5V320WDBA and PMR-5V320WDCA)

### Specifications

| OUTPUT                                   | PMR-5V320WC□A                 | PMR-5V320WDAA      | PMR-5V320WDGA      | PMR-5V320WDBA                    | PMR-5V320WDCA                    |                    |
|--|-------------------------------|--------------------|--------------------|----------------------------------|----------------------------------|--------------------|
| Output Voltage                           | 5V                            | 5V                 | 5V                 | 5V                               | 5V                               |                    |
| Output Voltage Range                     | 4.50-5.50V                    | 4.50-5.50V         | 4.50V-5.50V        | 4.75-5.25V<br>(No potentiometer) | 4.75-5.25V<br>(No potentiometer) |                    |
| Output Current                           | 60.0A                         | 60.0A              | 60.0A              | 60.0A                            | 60.0A                            |                    |
| Output Power                             | 300W                          | 300W               | 300W               | 300W                             | 300W                             |                    |
| PARD (20MHz)                             | < 150mVpp                     |                    |                    |                                  |                                  |                    |
| Hold-up Time                             | 8ms typ.                      |                    |                    |                                  |                                  |                    |
| <b>INPUT</b>                             |                               |                    |                    |                                  |                                  |                    |
| Phase Input                              | Single Phase                  |                    |                    |                                  |                                  |                    |
| Input Voltage Range                      | 88-264Vac                     |                    |                    |                                  |                                  |                    |
| Input Frequency                          | 47-63Hz                       |                    |                    |                                  |                                  |                    |
| Input Current                            | 115Vac                        | 4.5A typ.          | 5.0A typ.          | 5.0A typ.                        | 5.0A typ.                        |                    |
|  | 230Vac                        | 2.5A typ.          | 2.5A typ.          | 2.5A typ.                        | 2.5A typ.                        |                    |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac                        | 81.0% typ.         | 86.0% typ.         | 86.0% typ.                       | 85.0% typ.                       |                    |
|  | 230Vac                        | 84.0% typ.         | 88.0% typ.         | 88.0% typ.                       | 87.0% typ.                       |                    |
| Max Inrush Current<br>(Cold Start)       | 115Vac                        | 20A typ.           | 20A typ.           | 20A typ.                         | 20A typ.                         |                    |
|  | 230Vac                        | 40A typ.           | 40A typ.           | 40A typ.                         | 40A typ.                         |                    |
| Power Factor                             | 115Vac                        | 0.98 typ.          | 0.98 typ.          | 0.98 typ.                        | 0.98 typ.                        |                    |
|  | 230Vac                        | 0.95 typ.          | 0.95 typ.          | 0.95 typ.                        | 0.95 typ.                        |                    |
| Leakage Current                          | 240Vac                        | < 0.5mA            | < 1mA              | < 1mA                            | < 1mA                            |                    |
| <b>MECHANICAL</b>                        |                               |                    |                    |                                  |                                  |                    |
| Case Cover / Chassis                     | Aluminium                     |                    |                    |                                  |                                  |                    |
| Dimensions<br>(L × W × H)                | mm                            | 215 × 115 × 30     | 215 × 115 × 30     | 215 × 115 × 30                   | 215 × 115 × 30                   | 215 × 115 × 30     |
|  | inch                          | 8.46 × 4.53 × 1.18 | 8.46 × 4.53 × 1.18 | 8.46 × 4.53 × 1.18               | 8.46 × 4.53 × 1.18               | 8.46 × 4.53 × 1.18 |
| Unit Weight                              | kg                            | 0.76               | 0.86               | 0.86                             | 0.86                             | 0.86               |
|  | lb                            | 1.68               | 1.90               | 1.90                             | 1.90                             | 1.90               |
| Cooling System                           | Forced Air (Built-in Fan)     |                    | Convection         |                                  |                                  |                    |
| MTBF <sup>2)</sup>                       | > 700,000 hrs                 |                    | > 700,000 hrs      | > 700,000 hrs                    | > 700,000 hrs                    |                    |
| <b>ENVIRONMENT</b>                       |                               |                    |                    |                                  |                                  |                    |
| Operating Temperature <sup>3)</sup>      | -10°C to +70°C                |                    | -20°C to +70°C     |                                  |                                  |                    |
| Storage Temperature                      | -40°C to +85°C                |                    |                    |                                  |                                  |                    |
| Operating Humidity                       | 5 to 95% RH (Non-Condensing)  |                    |                    |                                  |                                  |                    |
| Operating Altitude                       | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |                                  |                                  |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMR-5V320WC□A, MTBF calculation does not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PMU

### Features

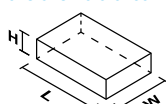


- AC input voltage range selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. per Telcordia SR-332
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                                | PMU-13V155W□BA   | PMU-13V155W□CA                            | PMU-27V155W□BA  | PMU-27V155W□CA  |
|---------------------------------------|--|---|---|---|
| Output Voltage                        | V1: 13.8V, B+: 13.3V                                   | V1: 13.8V, B+: 13.3V                      | V1: 27.6V, B+: 27.1V  | V1: 27.6V, B+: 27.1V  |
| Output Voltage Range                  | 12-14V   | 12-14V                                    | 24-28V  | 24-28V  |
| Output Current                        | V1: 9.5A (0-11.0A)<br>B+: 1.5A (0.5-1.5A)              | V1: 9.5A (0-11.0A)<br>B+: 1.5A (0.5-1.5A) | PMU-27V155WCBA<br>V1: 4.0A (0-5.5A)<br>B+: 1.5A (0.5-1.5A)<br>PMU-27V155WLBA<br>V1: 4.3A (0-5.5A)<br>B+: 1.2A (0.50-1.2A) | PMU-27V155WCCA<br>V1: 4.0A (0-5.5A)<br>B+: 1.5A (0.5-1.5A)<br>PMU-27V155WLCA<br>V1: 4.3A (0-5.5A)<br>B+: 1.2A (0.50-1.2A) |
| Output Power                          | 151W   | 151W                                      | 151W  | 151W  |
| PARD (20MHz)                          | < 150mVpp @ 0°C to -20°C,<br>< 100mVpp @ > 0°C to 70°C |   |   |   |
| Hold-up Time                          | 20ms without Battery at B+                             |   |   |   |
| <b>INPUT</b>                          |  |   |   |   |
| Phase Input                           | Single Phase   |   |   |   |
| Input Voltage Range                   | 90-132Vac, 180-264Vac (Selectable by Switch)           |   |   |   |
| Input Frequency                       | 47-63Hz  |   |   |   |
| Input Current                         | 115Vac < 2.5A<br>230Vac < 1.5A                         | < 2.5A<br>< 1.5A                          | < 2.5A<br>< 1.5A  | < 2.5A<br>< 1.5A  |
| Efficiency <sup>1)</sup> at 100% Load | 115Vac > 85.0%<br>230Vac > 86.0%                       | > 85.0%<br>> 86.0%                        | > 88.0%<br>> 89.0%  | > 88.0%<br>> 89.0%  |
| Max Inrush Current (Cold Start)       | 115Vac < 25A<br>230Vac < 25A                           | < 25A                                     | < 25A   | < 25A   |
| Power Factor                          | Conform to EN 61000-3-2                                |   |   |   |
| Leakage Current                       | 264Vac   | < 0.5mA                                   |   |   |
| <b>MECHANICAL</b>                     |  |   |   |   |
| Case Cover / Chassis                  | SGCC / Aluminium                                       |   |   |   |
| Dimensions (L x W x H)                | mm 178 x 97 x 38<br>inch 7.01 x 3.82 x 1.50            | 178 x 97 x 38<br>7.01 x 3.82 x 1.50       | 178 x 97 x 38<br>7.01 x 3.82 x 1.50   | 178 x 97 x 38<br>7.01 x 3.82 x 1.50   |
| Unit Weight                           | kg 0.59<br>lb 1.30                                     | 0.60<br>1.32                              | 0.59<br>1.30  | 0.60<br>1.32  |
| Cooling System                        | Convection   |   |   |   |
| MTBF <sup>2)</sup>                    | > 700,000 hrs  | > 700,000 hrs                             | > 700,000 hrs   | > 700,000 hrs   |
| <b>ENVIRONMENT</b>                    |  |   |   |   |
| Operating Temperature <sup>3)</sup>   | -20°C to +70°C   |   |   |   |
| Storage Temperature                   | -40°C to +85°C   |   |   |   |
| Operating Humidity                    | 5 to 95% RH (Non-Condensing)                           |   |   |   |
| Operating Altitude                    | 0 to 5,000 m (0 to 16,400 ft)                          |   |   |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## MEB

### Features

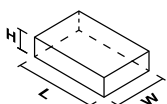
- High Power Density
- 2 × MOPP Isolation
- Safety Approvals to IEC 60601-1 Ed. 2 & 3.1
- Suitable for Type BF Medical Products
- Full Power up to 50°C Ambient
- Class B Conducted and Radiated EMI



### Specifications

| OUTPUT                              |               | MEB-500A24F AA   | NEW<br>MEB-750A24□ AAA  | NEW<br>MEB-750A48□ AAA       |
|-------------------------------------|---------------|--|---|------------------------------|
| Output Voltage                      |               | 24V  | 24V   | 48V                          |
| Output Current (Max)                |               | 21.0A  | 31.25A  | 15.63A                       |
| Output Power                        |               | 504W   | 750W  | 750W                         |
| Load Regulation                     |               | < 150mV  | < 2%  | < 2%                         |
| Ripple & Noise                      |               | < 300mVpp @ 0°C to +50°C   | 1% pk-pk Vrated @ rated load  | 1% pk-pk Vrated @ rated load |
| INPUT                               |               |  |   |                              |
| Input Voltage Range                 |               | 90-264Vac  | 85-264Vac   |                              |
| Input Frequency                     |               | 47-63Hz  |   |                              |
| Efficiency                          | 230Vac (50Hz) | 92.0% typ.   | 94.0% typ.  | 94.0% typ.                   |
| Leakage Current <sup>1)</sup>       | 264Vac        | Input-PE:<br>< 0.1mA @ NC, < 0.3mA @ SFC<br>Output-PE:<br>< 0.1mA @ NC, < 0.5mA @ SFC            | Input-PE: 0.3mA typ. @ NC, 1mA typ. @ SFC<br>Output-PE: 0.1mA typ. @ NC, 0.5mA typ. @ SFC |                              |
| MECHANICAL                          |               |  |   |                              |
| Dimensions (L × W × H)              | mm            | 165.3 × 85.2 × 41  | 177.8 × 101.6 × 40  | 177.8 × 101.6 × 40           |
|                                     | inch          | 6.50 × 3.35 × 1.61   | 7.00 × 4.00 × 1.58  | 7.00 × 4.00 × 1.58           |
| Unit Weight                         | kg            | 0.66   | 1.10  | 1.10                         |
|                                     | lb            | 1.46   | 2.40  | 2.40                         |
| MTBF <sup>2)</sup>                  |               | > 700,000 hrs  | > 500,000 hrs   | > 500,000 hrs                |
| EMC & Emissions                     |               | EN 55011 & Compliant with EN 55032, FCC Title 47: Class B  | EN 55011, EN 55032, FCC Title 47: Class B   |                              |
| ENVIRONMENT                         |               |  |   |                              |
| Operating Temperature <sup>3)</sup> |               | -20°C to +70°C   |   |                              |
| Storage Temperature                 |               | -30°C to +80°C   | -40°C to +80°C  |                              |
| Operating Humidity                  |               | 20 to 90% RH (Non-Condensing)  | 5 to 95% RH (Non-Condensing)  |                              |
| Operating Altitude                  |               | IEC 60601-1: 0 to 3,000 m (0 to 9,840 ft)<br>IEC 60950-1 & IEC 62368-1: 0 to 5,000 m (16,400 ft) | 0 to 5,000 m (16,400 ft)  |                              |
| MEDICAL RATING                      |               |  |   |                              |
| Float Rating                        |               | BF   |   |                              |
| MOPP                                |               | 2 × MOPP   |   |                              |

#### Dimensions Reference



#### Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (MEB-500A24F: I/P: 115Vac, O/P: 100% load, Ta: 25°C; MEB-750A24□, MEB-750A48□: I/P: 115Vac, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

## MEB

### Features

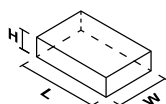
- Up to 1200W in 5" × 8.03" × 1.59" package
- Full power from 90Vac to 264Vac, up to 50°C ambient
- Up to 500K hours MTBF
- 2 × MOPP isolation, Suitable for type BF medical products
- Current sharing and 5V/2A standby output
- Class B Conducted and Radiated EMI
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- PMBus Ver 1.3 supported
- Intelligent fan speed control



### Specifications

| OUTPUT                              |               | MEB-1K2A24T ABA   | MEB-1K2A42T ABA   | MEB-1K2A48T ABA   |
|-------------------------------------|---------------|---|---|---|
| Output Voltage                      |               | 24V   | 42V   | 48V   |
| Output Current (Max)                |               | 50.0A   | 28.5A   | 25.0A   |
| Output Power                        |               | 1200W   | 1200W   | 1200W   |
| Load Regulation                     |               | 2%  |   |   |
| Ripple & Noise                      |               | 1% typ. pk-pk Vrated @ rated load   | 1% typ. pk-pk Vrated @ rated load   | 1% typ. pk-pk Vrated @ rated load   |
| INPUT                               |               |   |   |   |
| Input Voltage Range                 |               | 85-264Vac   |   |   |
| Input Frequency                     |               | 47-63Hz   |   |   |
| Efficiency                          | 115Vac (60Hz) | 90.0% typ.  | 90.9% typ.  | 91.5% typ.  |
|                                     | 230Vac (50Hz) | 93.0% typ.  | 93.2% typ.  | 94.0% typ.  |
| Leakage Current <sup>1)</sup>       | 264Vac        | Input-PE:<br>< 0.3mA @ NC, < 1mA @ SFC<br>Output-PE:<br>< 0.1mA @ NC, < 0.5mA @ SFC | Input-PE:<br>< 0.3mA @ NC, < 1mA @ SFC<br>Output-PE:<br>< 0.1mA @ NC, < 0.5mA @ SFC | Input-PE:<br>< 0.3mA @ NC, < 1mA @ SFC<br>Output-PE:<br>< 0.1mA @ NC, < 0.5mA @ SFC |
|                                     |               |   |   |   |
| MECHANICAL                          |               |   |   |   |
| Dimensions (L × W × H)              | mm            | 204 × 127 × 40.5  | 204 × 127 × 40.5  | 204 × 127 × 40.5  |
|                                     | inch          | 8.03 × 5.0 × 1.59   | 8.03 × 5.0 × 1.59   | 8.03 × 5.0 × 1.59   |
| Unit Weight                         | kg            | 1.50  | 1.50  | 1.50  |
|                                     | lb            | 3.30  | 3.30  | 3.30  |
| MTBF <sup>2)</sup>                  |               | > 500,000 hrs   | > 500,000 hrs   | > 500,000 hrs   |
| EMC & Emissions                     |               | EN 55011/EN 55032, FCC Title 47: Class B  |   |   |
| ENVIRONMENT                         |               |   |   |   |
| Operating Temperature <sup>3)</sup> |               | -20°C to +70°C  |   |   |
| Storage Temperature                 |               | -40°C to +85°C  |   |   |
| Operating Humidity                  |               | 5 to 95% RH (Non-Condensing)  |   |   |
| Operating Altitude                  |               | 0 to 5,000 m (0 to 16,400 ft)   |   |   |
| MEDICAL RATING                      |               |   |   |   |
| Float Rating                        |               | BF  |   |   |
| MOPP                                |               | 2 × MOPP  |   |   |

#### Dimensions Reference



#### Notes

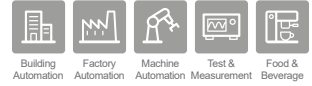
- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

# INDUSTRIAL POWER SUPPLIES

## | Open Frame Power Supply



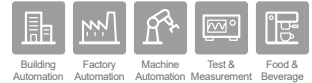
### PJT



- Standard industrial footprint
- Low Leakage Current
- Convection cooled operating temperature range from -10°C to +70°C
- Multiple connector sources options (JWT, JST, Molex)
- Certified according to IEC/EN/UL 62368-1



### PJ



- Low Inrush Current / Low Leakage Current
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1



### PJB



- Power Boost of 200% for 10 seconds
- Low Inrush Current / Low Leakage Current
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Certified according to IEC/EN/UL 62368-1



### PJH



- Household appliance approval to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- Available for Class I or Class II (double isolation) configuration with universal AC input voltage range
- Built-in active PFC, remote On/Off, remote sense, power good signal
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1



### PJU



- Zero switch over time from loss of AC to battery operation
- Protection against reverse polarity battery connection
- Built-in diagnostic monitoring for AC OK and Battery Low status
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Built-in over current and short circuit protection in Buffering (battery discharging) mode operation
- Certified according to IEC/EN/UL 62368-1



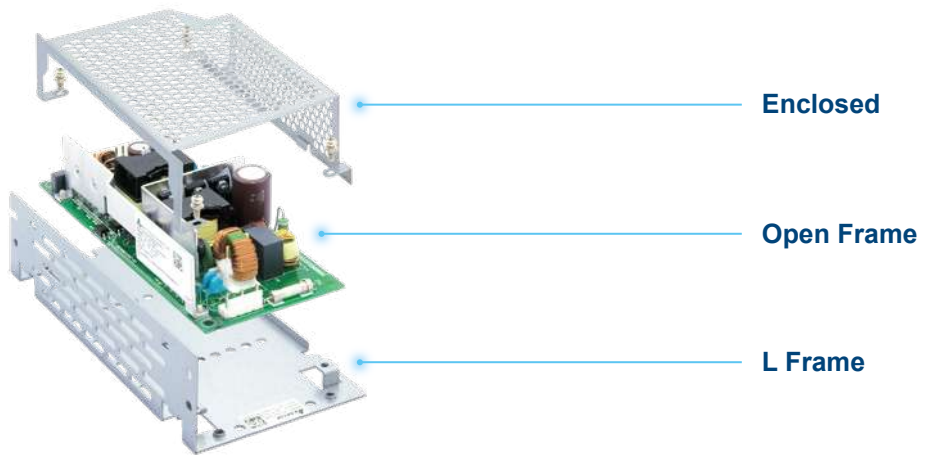
# PjL



- Standard industrial footprint of 3" x 5"
- Low inrush current < 20A and up to 90.0% efficiency
- Low earth leakage current < 500µA
- Extreme low temperature operation at -40°C
- Lighting approval to UL 8750, IEC 61347-2-13 and other approvals to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1

## Configuration Options

For the PJ series, PJB series and PJU series, metal chassis and case cover are available as options for different installation preferences.





## PJT

### Features

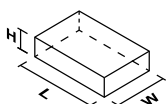
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | PJT-12V40WBA□                 | PJT-12V65WBA□      | PJT-12V100WBA□     | PJT-12V100WBB□                           |
|--|--------|-------------------------------|--------------------|--------------------|--|
| Output Voltage                           |        | 12V                           | 12V                | 12V                | 12V                                      |
| Output Current                           |        | 3.33A                         | 5.0A               | 8.33A              | 6.67A (Convection)<br>8.33A (Forced Air) |
| Output Power                             |        | 40W                           | 60W                | 100W               | 80W (Convection)<br>100W (Forced Air)    |
| PAR (20MHz)                              |        | < 120mVpp                     |                    |                    |  |
| Hold-up Time                             | 115Vac | 18ms typ.                     | 16ms typ.          | 20ms typ.          | 10ms typ.                                |
|  | 230Vac | 90ms typ.                     | 80ms typ.          |                    |  |
| INPUT                                    |        |                               |                    |                    |  |
| Phase Input                              |        | Single Phase                  |                    |                    |  |
| Input Voltage Range                      |        | 90-264Vac                     |                    |                    |  |
| Input Frequency                          |        | 47-63Hz                       |                    |                    |  |
| Input Current                            | 115Vac | 0.85A typ.                    | 1.50A typ.         | 1.50A typ.         | 2.50A typ.                               |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac | 85.0% typ.                    | 86.0% typ.         | 86.5% typ.         | 86.0% typ.                               |
|  | 230Vac | 86.0% typ.                    | 86.5% typ.         |                    | 88.0% typ.                               |
| Max Inrush Current<br>(Cold Start)       | 115Vac | 30A typ.                      | 30A typ.           | 30A typ.           | 30A typ.                                 |
|  | 230Vac | 60A typ.                      | 60A typ.           | 60A typ.           | 60A typ.                                 |
| Power Factor                             |        | Conform to EN 61000-3-2       |                    |                    |  |
| Leakage Current                          | 240Vac | < 0.1mA                       | < 0.1mA            | < 0.1mA            | < 0.1mA                                  |
| MECHANICAL                               |        |                               |                    |                    |  |
| Case Cover / Chassis                     |        | -                             |                    |                    |  |
| Dimensions<br>(L × W × H)                | mm     | 76.2 × 50.8 × 22.9            | 101.6 × 50.8 × 30  | 127 × 76.2 × 31    | 101.6 × 50.8 × 31.8                      |
|  | inch   | 3.00 × 2.00 × 0.90            | 4.00 × 2.00 × 1.18 | 5.00 × 3.00 × 1.22 | 4.00 × 2.00 × 1.25                       |
| Unit Weight                              | kg     | 0.08                          | 0.13               | 0.21               | 0.15                                     |
|  | lb     | 0.18                          | 0.29               | 0.46               | 0.33                                     |
| Cooling System                           |        | Convection                    |                    |                    |  |
| MTBF <sup>2)</sup>                       |        | > 700,000 hrs                 | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                            |
| Operating Temperature <sup>3)</sup>      |        | -10°C to +70°C                |                    |                    |  |
| Storage Temperature                      |        | -40°C to +85°C                |                    |                    |  |
| Operating Humidity                       |        | 10 to 95% RH (Non-Condensing) |                    |                    |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |  |
| ENVIRONMENT                              |        |                               |                    |                    |  |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJT

### Features

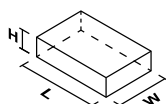
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | PJT-15V40WBA□                 | PJT-15V65WBA□      | PJT-15V100WBA□     | PJT-15V100WBB□                           |
|--|--------|-------------------------------|--------------------|--------------------|--|
| Output Voltage                           |        | 15V                           | 15V                | 15V                | 15V                                      |
| Output Current                           |        | 2.67A                         | 4.2A               | 6.67A              | 5.33A (Convection)<br>6.67A (Forced Air) |
| Output Power                             |        | 40W                           | 63W                | 100W               | 80W (Convection)<br>100W (Forced Air)    |
| PARD (20MHz)                             |        | < 150mVpp                     |                    |                    |  |
| Hold-up Time                             | 115Vac | 18ms typ.                     | 16ms typ.          | 20ms typ.          | 10ms typ.                                |
|  | 230Vac | 90ms typ.                     | 80ms typ.          |                    |  |
| <b>INPUT</b>                             |        |                               |                    |                    |  |
| Phase Input                              |        | Single Phase                  |                    |                    |  |
| Input Voltage Range                      |        | 90-264Vac                     |                    |                    |  |
| Input Frequency                          |        | 47-63Hz                       |                    |                    |  |
| Input Current                            | 115Vac | 0.85A typ.                    | 1.50A typ.         | 1.50A typ.         | 2.50A typ.                               |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac | 86.0% typ.                    | 87.0% typ.         | 87.5% typ.         | 87.0% typ.                               |
|  | 230Vac | 87.0% typ.                    | 88.5% typ.         |                    | 89.0% typ.                               |
| Max Inrush Current<br>(Cold Start)       | 115Vac | 30A typ.                      | 30A typ.           | 30A typ.           | 30A typ.                                 |
|  | 230Vac | 60A typ.                      | 60A typ.           | 60A typ.           | 60A typ.                                 |
| Power Factor                             |        | Conform to EN 61000-3-2       |                    |                    |  |
| Leakage Current                          | 240Vac | < 0.1mA                       |                    |                    |  |
| <b>MECHANICAL</b>                        |        |                               |                    |                    |  |
| Case Cover / Chassis                     |        | -                             |                    |                    |  |
| Dimensions<br>(L × W × H)                | mm     | 76.2 × 50.8 × 22.9            | 101.6 × 50.8 × 30  | 127 × 76.2 × 31    | 101.6 × 50.8 × 31.8                      |
|  | inch   | 3.00 × 2.00 × 0.90            | 4.00 × 2.00 × 1.18 | 5.00 × 3.00 × 1.22 | 4.00 × 2.00 × 1.25                       |
| Unit Weight                              | kg     | 0.08                          | 0.13               | 0.21               | 0.15                                     |
|  | lb     | 0.18                          | 0.29               | 0.46               | 0.33                                     |
| Cooling System                           |        | Convection                    |                    |                    | Convection / Forced Air                  |
| MTBF <sup>2)</sup>                       |        | > 700,000 hrs                 | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                            |
| <b>ENVIRONMENT</b>                       |        |                               |                    |                    |  |
| Operating Temperature <sup>3)</sup>      |        | -10°C to +70°C                |                    |                    |  |
| Storage Temperature                      |        | -40°C to +85°C                |                    |                    |  |
| Operating Humidity                       |        | 10 to 95% RH (Non-Condensing) |                    |                    |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |  |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJT

### Features

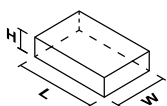
- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | PJT-18V40WBA□                 | PJT-18V65WBA□      | PJT-18V100WBA□     | PJT-18V100WBB□                           |
|--|--------|-------------------------------|--------------------|--------------------|--|
| Output Voltage                           |        | 18V                           | 18V                | 18V                | 18V                                      |
| Output Current                           |        | 2.22A                         | 3.61A              | 5.55A              | 4.44A (Convection)<br>5.55A (Forced Air) |
| Output Power                             |        | 40W                           | 65W                | 100W               | 80W (Convection)<br>100W (Forced Air)    |
| PAR (20MHz)                              |        | < 180mVpp                     |                    |                    |  |
| Hold-up Time                             | 115Vac | 18ms typ.                     | 16ms typ.          | 20ms typ.          | 10ms typ.                                |
|  | 230Vac | 90ms typ.                     | 80ms typ.          |                    |  |
| INPUT                                    |        |                               |                    |                    |  |
| Phase Input                              |        | Single Phase                  |                    |                    |  |
| Input Voltage Range                      |        | 90-264Vac                     |                    |                    |  |
| Input Frequency                          |        | 47-63Hz                       |                    |                    |  |
| Input Current                            | 115Vac | 0.85A typ.                    | 1.50A typ.         | 1.50A typ.         | 2.50A typ.                               |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac | 86.0% typ.                    | 87.0% typ.         | 87.5% typ.         | 87.0% typ.                               |
|  | 230Vac |                               | 88.0% typ.         |                    | 89.0% typ.                               |
| Max Inrush Current<br>(Cold Start)       | 115Vac | 30A typ.                      | 30A typ.           | 30A typ.           | 30A typ.                                 |
|  | 230Vac | 60A typ.                      | 60A typ.           | 60A typ.           | 60A typ.                                 |
| Power Factor                             |        | Conform to EN 61000-3-2       |                    |                    |  |
| Leakage Current                          |        | 240Vac < 0.1mA                |                    |                    |  |
| MECHANICAL                               |        |                               |                    |                    |  |
| Case Cover / Chassis                     |        | -                             |                    |                    |  |
| Dimensions<br>(L × W × H)                | mm     | 76.2 × 50.8 × 22.9            | 101.6 × 50.8 × 30  | 127 × 76.2 × 31    | 101.6 × 50.8 × 31.8                      |
|  | inch   | 3.00 × 2.00 × 0.90            | 4.00 × 2.00 × 1.18 | 5.00 × 3.00 × 1.22 | 4.00 × 2.00 × 1.25                       |
| Unit Weight                              | kg     | 0.08                          | 0.13               | 0.21               | 0.15                                     |
|  | lb     | 0.18                          | 0.29               | 0.46               | 0.33                                     |
| Cooling System                           |        | Convection                    |                    |                    |  |
| MTBF <sup>2)</sup>                       |        | > 700,000 hrs                 | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                            |
| Operating Temperature <sup>3)</sup>      |        | -10°C to +70°C                |                    |                    |  |
| Storage Temperature                      |        | -40°C to +85°C                |                    |                    |  |
| Operating Humidity                       |        | 10 to 95% RH (Non-Condensing) |                    |                    |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |  |
| ENVIRONMENT                              |        |                               |                    |                    |  |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJT

### Features

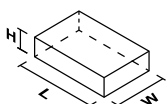
- Small standard footprint
- Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | PJT-24V40WBA□   | PJT-24V65WBA□      | PJT-24V100WBA□     | PJT-24V100WBB□                           | PJT-27V150WBNA                               |
|--|--------|---|--------------------|--------------------|--|--|
| Output Voltage                           |        | 24V   | 24V                | 24V                | 24V                                      | V1: 27V, V <sub>SB</sub> : 12V               |
| Output Current                           |        | 1.66A   | 2.71A              | 4.17A              | 3.33A (Convection)<br>4.17A (Forced Air) | V1: 5.55A<br>V <sub>SB</sub> : 0.5A          |
| Output Power                             |        | 40W   | 65W                | 100W               | 80W (Convection)<br>100W (Forced Air)    | V1: 150W<br>V <sub>SB</sub> : 6W             |
| PARD (20MHz)                             |        | < 240mVpp   |                    |                    |  | V1: < 150mVpp,<br>V <sub>SB</sub> : < 75mVpp |
| Hold-up Time                             | 115Vac | 18ms typ.   | 16ms typ.          | 20ms typ.          | 10ms typ.                                | > 40ms                                       |
|  | 230Vac | 90ms typ.   | 80ms typ.          |                    |  |  |
| INPUT                                    |        |   |                    |                    |  |  |
| Phase Input                              |        | Single Phase  |                    |                    |  |  |
| Input Voltage Range                      |        | 90-264Vac   |                    |                    |  | 85-264Vac                                    |
| Input Frequency                          |        | 47-63Hz   |                    |                    |  |  |
| Input Current                            | 115Vac | 0.85A typ.  | 1.50A typ.         | 1.50A typ.         | 2.50A typ.                               | < 1.80A                                      |
|  | 230Vac | -   | -                  | -                  | -  | < 0.90A                                      |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac | 86.0% typ.  | 87.0% typ.         | 88.0% typ.         | 88.0% typ.                               | > 88.5%                                      |
|  | 230Vac | 87.0% typ.  |                    |                    |  | > 89.5%                                      |
| Max Inrush Current<br>(Cold Start)       | 115Vac | 30A typ.  | 30A typ.           | 30A typ.           | 30A typ.                                 | < 50A  |
|  | 230Vac | 60A typ.  | 60A typ.           | 60A typ.           | 60A typ.                                 | < 100A                                       |
| Power Factor                             | 115Vac | Conform to EN 61000-3-2   |                    |                    |  | > 0.99                                       |
|  | 230Vac |   |                    |                    |  | > 0.93                                       |
| Leakage Current                          | 240Vac | < 0.1mA   | < 0.1mA            | < 0.1mA            | < 0.1mA                                  | -  |
|  | 264Vac | -   | -                  | -                  | -  | < 0.25mA                                     |
| MECHANICAL                               |        |   |                    |                    |  |  |
| Case Cover / Chassis                     |        | -   |                    |                    |  |  |
| Dimensions<br>(L × W × H)                | mm     | 76.2 × 50.8 × 22.9  | 101.6 × 50.8 × 30  | 127 × 76.2 × 31    | 101.6 × 50.8 × 31.8                      | 127 × 76.2 × 36.5                            |
|  | inch   | 3.00 × 2.00 × 0.90  | 4.00 × 2.00 × 1.18 | 5.00 × 3.00 × 1.22 | 4.00 × 2.00 × 1.25                       | 5.00 × 3.00 × 1.44                           |
| Unit Weight                              | kg     | 0.08  | 0.13               | 0.21               | 0.15                                     | 0.37   |
|  | lb     | 0.18  | 0.29               | 0.46               | 0.33                                     | 0.82   |
| Cooling System                           |        | Convection  |                    |                    | Convection / Forced Air                  | Convection                                   |
| MTBF <sup>2)</sup>                       |        | > 700,000 hrs   | > 700,000 hrs      | > 700,000 hrs      | > 700,000 hrs                            | > 700,000 hrs                                |
| ENVIRONMENT                              |        |   |                    |                    |  |  |
| Operating Temperature <sup>3)</sup>      |        | -10°C to +70°C  |                    |                    |  |  |
| Storage Temperature                      |        | -40°C to +85°C  |                    |                    |  |  |
| Operating Humidity                       |        | 10 to 95% RH (Non-Condensing); PJT-27V150WBNA: 5 to 95% RH (Non-Condensing) |                    |                    |  |  |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft)   |                    |                    |  |  |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJ

### Features

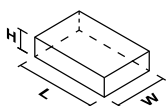
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Comforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                |        | PJ-12V15W□□A                  | PJ-12V30W□□A       | PJ-12V50W□□A       | PJ-12V100W□□A      | PJ-12V150W□□A      |
|---------------------------------------|--------|-------------------------------|--------------------|--------------------|--------------------|--------------------|
| Output Voltage                        |        | 12V                           | 12V                | 12V                | 12V                | 12V                |
| Output Voltage Range                  |        | 10.8-13.2V                    | 10.8-13.2V         | 10.8-13.2V         | 10.8-13.2V         | 10.8-13.2V         |
| Output Current                        |        | 1.3A                          | 2.5A               | 4.3A               | 8.5A               | 12.5A              |
| Output Power                          |        | 15.6W                         | 30W                | 51.6W              | 102W               | 150W               |
| PARD (20MHz)                          |        | < 150mVpp                     |                    |                    |                    |                    |
| Hold-up Time                          | 100Vac | 20ms typ.                     | 20ms typ.          | 20ms typ.          | 20ms typ.          | 20ms typ.          |
| INPUT                                 |        |                               |                    |                    |                    |                    |
| Phase Input                           |        | Single Phase                  |                    |                    |                    |                    |
| Input Voltage Range                   |        | 85-264Vac                     |                    |                    |                    |                    |
| Input Frequency                       |        | 47-63Hz                       |                    |                    |                    |                    |
| Input Current                         | 100Vac | 0.35A typ.                    | 0.65A typ.         | 0.65A typ.         | 1.30A typ.         | 1.90A typ.         |
|                                       | 200Vac | 0.20A typ.                    | 0.35A typ.         | 0.35A typ.         | 0.65A typ.         | 0.95A typ.         |
| Efficiency <sup>1)</sup> at 100% Load | 100Vac | 81.0% typ.                    | 83.0% typ.         | 83.0% typ.         | 85.0% typ.         | 88.0% typ.         |
|                                       | 200Vac | 82.5% typ.                    | 85.0% typ.         | 85.0% typ.         | 87.5% typ.         | 91.0% typ.         |
| Max Inrush Current (Cold Start)       | 100Vac | 15A typ.                      | 15A typ.           | 15A typ.           | 15A typ.           | 15A typ.           |
|                                       | 200Vac | 30A typ.                      | 30A typ.           | 30A typ.           | 30A typ.           | 30A typ.           |
| Power Factor                          | 100Vac | Conform to EN 61000-3-2       |                    | 0.98 typ.          | 0.99 typ.          | 0.99 typ.          |
|                                       | 200Vac |                               |                    | 0.97 typ.          | 0.98 typ.          | 0.97 typ.          |
| Leakage Current                       | 100Vac | < 0.1mA                       | < 0.1mA            | < 0.1mA            | < 0.2mA            | < 0.2mA            |
|                                       | 240Vac | < 0.2mA                       | < 0.2mA            | < 0.2mA            | < 0.4mA            | < 0.4mA            |
| MECHANICAL                            |        |                               |                    |                    |                    |                    |
| Case Cover / Chassis                  |        | SGCC                          |                    |                    |                    |                    |
| Dimensions <sup>2)</sup> (L × W × H)  | mm     | 87.5 × 50 × 22                | 105 × 50 × 25.6    | 132 × 50 × 26.6    | 155 × 62 × 33.5    | 160 × 75 × 37      |
|                                       | inch   | 3.44 × 1.97 × 0.87            | 4.13 × 1.97 × 1.01 | 5.20 × 1.97 × 1.05 | 6.10 × 2.44 × 1.32 | 6.30 × 2.95 × 1.46 |
| Unit Weight <sup>2)</sup>             | kg     | 0.06                          | 0.11               | 0.16               | 0.26               | 0.30               |
|                                       | lb     | 0.13                          | 0.24               | 0.35               | 0.57               | 0.66               |
| Cooling System                        |        | Convection                    |                    |                    |                    |                    |
| MTBF <sup>3)</sup>                    |        | > 200,000 hrs                 | > 200,000 hrs      | > 200,000 hrs      | > 200,000 hrs      | > 200,000 hrs      |
| ENVIRONMENT                           |        |                               |                    |                    |                    |                    |
| Operating Temperature <sup>4)</sup>   |        | -10°C to +70°C                |                    |                    |                    |                    |
| Storage Temperature                   |        | -25°C to +75°C                |                    |                    |                    |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)  |                    |                    |                    |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PJ

### Features

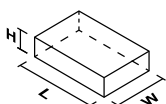
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                   |        | PJ-24V30W□□A                  | PJ-24V50W□□A       | PJ-24V100W□□A      | PJ-24V150W□□A      |
|--|--------|-------------------------------|--------------------|--------------------|--------------------|
| Output Voltage                           |        | 24V                           | 24V                | 24V                | 24V                |
| Output Voltage Range                     |        | 21.6-26.4V                    | 21.6-26.4V         | 21.6-26.4V         | 21.6-26.4V         |
| Output Current                           |        | 1.3A                          | 2.1A               | 4.3A               | 6.3A               |
| Output Power                             |        | 31.2W                         | 50.4W              | 103.2W             | 150W               |
| PARD (20MHz)                             |        | < 150mVpp                     |                    |                    |                    |
| Hold-up Time                             | 100Vac | 20ms typ.                     | 20ms typ.          | 20ms typ.          | 20ms typ.          |
| INPUT                                    |        |                               |                    |                    |                    |
| Phase Input                              |        | Single Phase                  |                    |                    |                    |
| Input Voltage Range                      |        | 85-264Vac                     |                    |                    |                    |
| Input Frequency                          |        | 47-63Hz                       |                    |                    |                    |
| Input Current                            | 100Vac | 0.65A typ.                    | 0.65A typ.         | 1.30A typ.         | 1.90A typ.         |
|  | 200Vac | 0.35A typ.                    | 0.35A typ.         | 0.65A typ.         | 0.95A typ.         |
| Efficiency <sup>1)</sup><br>at 100% Load | 100Vac | 85.0% typ.                    | 84.5% typ.         | 86.0% typ.         | 88.0% typ.         |
|  | 200Vac | 86.0% typ.                    | 87.0% typ.         | 89.0% typ.         | 91.0% typ.         |
| Max Inrush Current<br>(Cold Start)       | 100Vac | 15A typ.                      | 15A typ.           | 15A typ.           | 15A typ.           |
|  | 200Vac | 30A typ.                      | 30A typ.           | 30A typ.           | 30A typ.           |
| Power Factor                             | 100Vac | Conform to EN 61000-3-2       |                    | 0.99 typ.          | 0.99 typ.          |
|  | 200Vac |                               |                    | 0.98 typ.          | 0.97 typ.          |
| Leakage Current                          | 100Vac | < 0.1mA                       | < 0.1mA            | < 0.2mA            | < 0.2mA            |
|  | 240Vac | < 0.2mA                       | < 0.2mA            | < 0.4mA            | < 0.4mA            |
| MECHANICAL                               |        |                               |                    |                    |                    |
| Case Cover / Chassis                     |        | SGCC                          |                    |                    |                    |
| Dimensions <sup>2)</sup><br>(L × W × H)  | mm     | 105 × 50 × 25.6               | 132 × 50 × 26.6    | 155 × 62 × 33.5    | 160 × 75 × 37      |
|  | inch   | 4.13 × 1.97 × 1.01            | 5.20 × 1.97 × 1.05 | 6.10 × 2.44 × 1.32 | 6.30 × 2.95 × 1.46 |
| Unit Weight <sup>2)</sup>                | kg     | 0.11                          | 0.16               | 0.26               | 0.29               |
|  | lb     | 0.24                          | 0.35               | 0.57               | 0.64               |
| Cooling System                           |        | Convection                    |                    |                    |                    |
| MTBF <sup>3)</sup>                       |        | > 200,000 hrs                 | > 200,000 hrs      | > 200,000 hrs      | > 200,000 hrs      |
| ENVIRONMENT                              |        |                               |                    |                    |                    |
| Operating Temperature <sup>4)</sup>      |        | -10°C to +70°C                |                    |                    |                    |
| Storage Temperature                      |        | -25°C to +75°C                |                    |                    |                    |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)  |                    |                    |                    |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft) |                    |                    |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJ

### Features

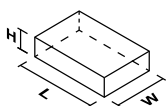
- High PF > 0.97 (for 50W)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                |        | PJ-5V15W□□A                   | PJ-48V50W□□A       |
|---------------------------------------|--------|-------------------------------|--------------------|
| Output Voltage                        |        | 5V                            | 48V                |
| Output Voltage Range                  |        | 4.50-5.50V                    | 43.2-52.8V         |
| Output Current                        |        | 3.0A                          | 1.1A               |
| Output Power                          |        | 15W                           | 52.8W              |
| PARV (20MHz)                          |        | < 120mVpp                     | < 250mVpp          |
| Hold-up Time                          | 100Vac | 20ms typ.                     | 20ms typ.          |
| INPUT                                 |        |                               |                    |
| Phase Input                           |        | Single Phase                  |                    |
| Input Voltage Range                   |        | 85-264Vac                     |                    |
| Input Frequency                       |        | 47-63Hz                       |                    |
| Input Current                         | 100Vac | 0.35A typ.                    | 0.65A typ.         |
|                                       | 200Vac | 0.20A typ.                    | 0.35A typ.         |
| Efficiency <sup>1)</sup> at 100% Load | 100Vac | 78.0% typ.                    | 83.0% typ.         |
|                                       | 200Vac | 79.5% typ.                    | 85.0% typ.         |
| Max Inrush Current (Cold Start)       | 100Vac | 15A typ.                      | 15A typ.           |
|                                       | 200Vac | 30A typ.                      | 30A typ.           |
| Power Factor                          | 100Vac | Conform to EN 61000-3-2       |                    |
|                                       | 200Vac |                               | 0.98 typ.          |
| Leakage Current                       | 100Vac | < 0.1mA                       | < 0.1mA            |
|                                       | 240Vac | < 0.2mA                       | < 0.2mA            |
| MECHANICAL                            |        |                               |                    |
| Case Cover / Chassis                  |        | SGCC                          |                    |
| Dimensions <sup>2)</sup> (L × W × H)  | mm     | 87.5 × 50 × 22                | 132 × 50 × 26.6    |
|                                       | inch   | 3.44 × 1.97 × 0.87            | 5.20 × 1.97 × 1.05 |
| Unit Weight <sup>2)</sup>             | kg     | 0.06                          | 0.16               |
|                                       | lb     | 0.13                          | 0.35               |
| Cooling System                        |        | Convection                    |                    |
| MTBF <sup>3)</sup>                    |        | > 200,000 hrs                 | > 200,000 hrs      |
| ENVIRONMENT                           |        |                               |                    |
| Operating Temperature <sup>4)</sup>   |        | -10°C to +70°C                |                    |
| Storage Temperature                   |        | -25°C to +75°C                |                    |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)  |                    |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft) |                    |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PJB

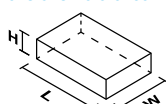
### Features

- Power Boost of 200% for 10 seconds
- High PF > 0.97
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Certified according to IEC/EN/UL 62368-1
- Design compliant with Japan PSE (DENAN) for 150W-300W

### Specifications

| OUTPUT                                   |        | PJB-24V100W□□□A               | PJB-24V150W□□□A         | PJB-24V240W□□□□   | PJB-24V300W□□□□               |
|--|--------|-------------------------------|-------------------------|---|-------------------------------|
| Output Voltage                           |        | 24V                           | 24V                     | 24V   | 24V                           |
| Output Voltage Range                     |        | 21.6-26.4V                    | 21.6-26.4V              | 21.6-26.4V  | 21.6-26.4V                    |
| Output Current                           |        | 4.3A (8.6A for 10s)           | 6.3A (12.6A for 10s)    | 10.0A (20.0A for 10s)   | 12.5A (22.5A for 10s)         |
| Output Power                             |        | 103.2W (206.4W for 10s)       | 151.2W (302.4W for 10s) | 240W (480W for 10s)   | 300W (600W for 10s)           |
| PARD (20MHz)                             |        | < 150mVpp                     |                         |   |                               |
| Hold-up Time                             | 100Vac | 20ms typ.                     | 20ms typ.               | 20ms typ.   | 20ms typ.                     |
| INPUT                                    |        |                               |                         |   |                               |
| Phase Input                              |        | Single Phase                  |                         |   |                               |
| Input Voltage Range                      |        | 85-264Vac                     |                         |   |                               |
| Input Frequency                          |        | 47-63Hz                       |                         |   |                               |
| Input Current                            | 100Vac | 1.30A typ.                    | 1.90A typ.              | 2.80A typ.  | 4.10A typ.                    |
|  | 200Vac | 0.65A typ.                    | 0.95A typ.              | 1.50A typ.  | 2.00A typ.                    |
| Efficiency <sup>1)</sup><br>at 100% Load | 100Vac | 86.5% typ.                    | 88.0% typ.              | 91.0% typ.  | 91.0% typ.                    |
|  | 200Vac | 89.0% typ.                    | 90.5% typ.              | 92.5% typ.  | 93.5% typ.                    |
| Max Inrush Current<br>(Cold Start)       | 100Vac | 15A typ.                      | 15A typ.                | 15A typ.  | 15A typ.                      |
|  | 200Vac | 30A typ.                      | 30A typ.                | 30A typ.  | 30A typ.                      |
| Power Factor                             | 100Vac | 0.98 typ.                     | 0.98 typ.               | 0.98 typ.   | 0.99 typ.                     |
|  | 200Vac | 0.97 typ.                     | 0.95 typ.               | 0.97 typ.   | 0.95 typ.                     |
| Leakage Current                          | 100Vac | < 0.2mA                       | < 0.2mA                 | < 0.2mA   | < 0.2mA                       |
|  | 240Vac | < 0.4mA                       | < 0.4mA                 | < 0.4mA   | < 0.4mA                       |
| MECHANICAL                               |        |                               |                         |   |                               |
| Case Cover / Chassis                     |        | SGCC                          |                         |   |                               |
| Dimensions <sup>2)</sup><br>(L × W × H)  | mm     | 155 × 62 × 33.5               | 160 × 75 × 37           | 180 × 84 × 42   | 222 × 95 × 53.6               |
|  | inch   | 6.10 × 2.44 × 1.32            | 6.30 × 2.95 × 1.46      | 7.09 × 3.31 × 1.65  | 8.74 × 3.74 × 2.11            |
| Unit Weight <sup>2)</sup>                | kg     | 0.26                          | 0.31                    | 0.44  | 0.64                          |
|  | lb     | 0.57                          | 0.68                    | 0.97  | 1.41                          |
| Cooling System                           |        | Convection                    |                         |   |                               |
| MTBF <sup>3)</sup>                       |        | > 200,000 hrs                 | > 200,000 hrs           | > 200,000 hrs   | > 200,000 hrs                 |
| ENVIRONMENT                              |        |                               |                         |   |                               |
| Operating Temperature <sup>4)</sup>      |        | -10°C to +70°C                |                         |   |                               |
| Storage Temperature                      |        | -25°C to +75°C                |                         |   |                               |
| Operating Humidity                       |        | 5 to 95% RH (Non-Condensing)  |                         |   |                               |
| Operating Altitude                       |        | 0 to 5,000 m (0 to 16,400 ft) |                         | ITE Application:<br>0 to 5,000 m (0 to 16,400 ft)<br>PSE Class 1:<br>0 to 2,000 m (0 to 6,560 ft) | 0 to 5,000 m (0 to 16,400 ft) |

Dimensions Reference



**Notes**

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## PJH

### Features

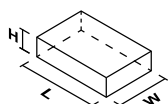


- Certified according to IEC/EN 60335-1 and IEC/EN/UL 62368-1
- Available for Class I or Class II (double isolation) configuration
- 300W with fan cooled and up to 240W convection cooled
- Standard industrial footprint of 3" × 5"
- Built-in active PFC, remote ON/OFF, remote sense, power good signal
- No load input power consumption < 0.5W and low earth leakage current < 0.75mA

### Specifications

| OUTPUT                                   | PJH-24V300WBB□  | PJH-24V300WBC□                                    | PJH-36V300WBB□                                    | PJH-36V300WBC□                                    |
|--|---|---|---|---|
| Output Voltage                           | V1: 24V, V <sub>SB</sub> : 5V   | V1: 24V, V <sub>SB</sub> : 12V                    | V1: 36V, V <sub>SB</sub> : 5V                     | V1: 36V, V <sub>SB</sub> : 12V                    |
| Output Voltage Range                     | V1: 22.8-25.2V, V <sub>SB</sub> : Fixed                                 | V1: 22.8-25.2V, V <sub>SB</sub> : Fixed           | V1: 34.2-37.8V, V <sub>SB</sub> : Fixed           | V1: 34.2-37.8V, V <sub>SB</sub> : Fixed           |
| Output Current                           | V1: 0-12.5A<br>V <sub>SB</sub> : 0-1.2A                                 | V1: 0-12.5A<br>V <sub>SB</sub> : 0-0.5A           | V1: 0-8.3A<br>V <sub>SB</sub> : 0-1.2A            | V1: 0-8.3A<br>V <sub>SB</sub> : 0-0.5A            |
| Output Power                             | 240W (Convection)<br>300W (with 10CFM Forced Air)                       | 240W (Convection)<br>300W (with 10CFM Forced Air) | 240W (Convection)<br>300W (with 10CFM Forced Air) | 240W (Convection)<br>300W (with 10CFM Forced Air) |
| PAR (20MHz)                              | V1: < 240mVpp, V <sub>SB</sub> : < 120mVpp                              |   | V1: < 360mVpp, V <sub>SB</sub> : < 120mVpp        |   |
| Hold-up Time                             | 115Vac<br>230Vac  | > 10ms  | > 10ms  | > 10ms  |
| <b>INPUT</b>                             |   |   |   |   |
| Phase Input                              | Single Phase  |   |   |   |
| Input Voltage Range                      | 90-264Vac   |   |   |   |
| Input Frequency                          | 47-63Hz   |   |   |   |
| Input Current                            | 115Vac < 4.0A<br>230Vac < 2.0A  | < 4.0A<br>< 2.0A                                  | < 4.0A<br>< 2.0A                                  | < 4.0A<br>< 2.0A                                  |
| Efficiency <sup>1)</sup><br>at 100% Load | 115Vac > 93.0%<br>230Vac > 94.0%  | > 93.0%<br>> 94.0%                                | > 93.0%<br>> 94.0%                                | > 93.0%<br>> 94.0%                                |
| Max Inrush Current<br>(Cold Start)       | 115Vac < 20A<br>230Vac < 40A  | < 20A<br>< 40A                                    | < 20A<br>< 40A                                    | < 20A<br>< 40A                                    |
| Power Factor                             | 115Vac > 0.95<br>230Vac > 0.95  | > 0.95  | > 0.95  | > 0.95  |
| Leakage Current                          | 240Vac < 0.75mA   | < 0.75mA  | < 0.75mA  | < 0.75mA  |
| <b>MECHANICAL</b>                        |   |   |   |   |
| Case Cover / Chassis                     | -   |   |   |   |
| Dimensions<br>(L × W × H)                | mm 127 × 76.2 × 35.8<br>inch 5.00 × 3.00 × 1.41                         | 127 × 76.2 × 35.8<br>5.00 × 3.00 × 1.41           | 127 × 76.2 × 35.8<br>5.00 × 3.00 × 1.41           | 127 × 76.2 × 35.8<br>5.00 × 3.00 × 1.41           |
| Unit Weight                              | kg 0.45<br>lb 0.99  | 0.45<br>0.99                                      | 0.45<br>0.99                                      | 0.45<br>0.99                                      |
| Cooling System                           | Convection / Forced Air   |   |   |   |
| MTBF <sup>2)</sup>                       | > 700,000 hrs   | > 700,000 hrs                                     | > 700,000 hrs                                     | > 700,000 hrs                                     |
| <b>ENVIRONMENT</b>                       |   |   |   |   |
| Operating Temperature <sup>3)</sup>      | -25°C to +70°C  |   |   |   |
| Storage Temperature                      | -40°C to +85°C  |   |   |   |
| Operating Humidity                       | 5 to 95% RH (Non-Condensing)  |   |   |   |
| Operating Altitude                       | PD3: 0 to 5,000 m (0 to 16,400 ft)<br>PD2: 0 to 3,000 m (0 to 9,840 ft) |   |   |   |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# 13.8V, 27.6V Output

## PJU

### Features

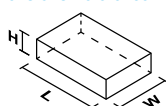
- Zero switch over time from loss of AC to battery operation
- Protection against reverse polarity battery connection
- Built-in diagnostic monitoring for AC OK and Battery Low status
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Built-in over current and short circuit protection in Buffering (battery discharging) mode operation
- Certified according to IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                |        | PJU-13V60W□A□                 | PJU-13V60W□B□        | PJU-27V60W□A□        | PJU-27V60W□B□        |
|---------------------------------------|--------|-------------------------------|----------------------|----------------------|----------------------|
| Output Voltage                        |        | V1: 13.8V, B+: 13.6V          | V1: 13.8V, B+: 13.6V | V1: 27.6V, B+: 27.4V | V1: 27.6V, B+: 27.4V |
| Output Voltage Range                  |        | V1: 13.52-14.07V              | V1: 13.52-14.07V     | V1: 27.04-28.00V     | V1: 27.04-28.00V     |
| Output Current                        |        | V1: 3.9A, B+: 0.4A            | V1: 3.9A, B+: 0.4A   | V1: 1.75A, B+: 0.4A  | V1: 1.75A, B+: 0.4A  |
| Output Power                          |        | 60W                           | 60W                  | 60W                  | 60W                  |
| PARD (20MHz)                          |        | < 100mVpp                     |                      |                      |                      |
| Hold-up Time (100% Load)              | 115Vac | > 10ms                        | > 10ms               | > 10ms               | > 10ms               |
| <b>INPUT</b>                          |        |                               |                      |                      |                      |
| Phase Input                           |        | Single Phase                  |                      |                      |                      |
| Input Voltage Range                   |        | 90-264Vac                     |                      |                      |                      |
| Input Frequency                       |        | 47-63Hz                       |                      |                      |                      |
| Input Current                         | 115Vac | < 1.2A                        | < 1.2A               | < 1.2A               | < 1.2A               |
|                                       | 230Vac | < 0.8A                        | < 0.8A               | < 0.8A               | < 0.8A               |
| Efficiency <sup>1)</sup> at 100% Load | 115Vac | > 85.0%                       | > 85.0%              | > 88.0%              | > 88.0%              |
|                                       | 230Vac | > 86.0%                       | > 86.0%              | > 89.0%              | > 89.0%              |
| Max Inrush Current (Cold Start)       | 115Vac | < 60A                         | < 60A                | < 60A                | < 60A                |
|                                       | 230Vac | < 60A                         | < 60A                | < 60A                | < 60A                |
| Power Factor                          |        | Conform to EN 61000-3-2       |                      |                      |                      |
| Leakage Current                       | 240Vac | < 1mA                         | < 1mA                | < 1mA                | < 1mA                |
| <b>MECHANICAL</b>                     |        |                               |                      |                      |                      |
| Case Cover / Chassis                  |        | SECC Steel                    |                      |                      |                      |
| Dimensions <sup>2)</sup> (L × W × H)  | mm     | 101.6 × 50.8 × 30.6           | 101.6 × 50.8 × 30.6  | 101.6 × 50.8 × 30.6  | 101.6 × 50.8 × 30.6  |
|                                       | inch   | 4.00 × 2.00 × 1.20            | 4.00 × 2.00 × 1.20   | 4.00 × 2.00 × 1.20   | 4.00 × 2.00 × 1.20   |
| Unit Weight <sup>2)</sup>             | kg     | 0.12                          | 0.12                 | 0.12                 | 0.12                 |
|                                       | lb     | 0.26                          | 0.26                 | 0.26                 | 0.26                 |
| Cooling System                        |        | Convection                    |                      |                      |                      |
| MTBF <sup>3)</sup>                    |        | > 350,000 hrs                 | > 350,000 hrs        | > 350,000 hrs        | > 350,000 hrs        |
| <b>ENVIRONMENT</b>                    |        |                               |                      |                      |                      |
| Operating Temperature <sup>4)</sup>   |        | -20°C to +70°C                |                      |                      |                      |
| Storage Temperature                   |        | -40°C to +85°C                |                      |                      |                      |
| Operating Humidity                    |        | 5 to 95% RH (Non-Condensing)  |                      |                      |                      |
| Operating Altitude                    |        | 0 to 5,000 m (0 to 16,400 ft) |                      |                      |                      |

#### Dimensions Reference



#### Notes

- 1) At 25°C ambient temperature.
- 2) Open frame (without chassis and cover).
- 3) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## PJL

### Features

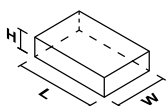
- Low inrush current < 20A
- Up to 90.0% efficiency
- Low earth leakage current < 500µA
- Extreme low temperature operation at -40°C
- Lighting approval to UL 8750, IEC 61347-2-13 and other approvals to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1



### Specifications

| OUTPUT                                |                         | PJL-48V200WBAA                                      | PJL-48V400WBAA                                      | NEW<br>PJL-48V600WLAA                               |
|---------------------------------------|-------------------------|---|---|---|
| Output Voltage                        |                         | 48V   | 48V   | 48V   |
| Output Voltage Range                  |                         | 48-50Vdc  | 48-50Vdc  | 48-50Vdc  |
| Output Current                        |                         | 0-4.17A   | 0-8.33A   | 0-12.5A   |
| Output Power                          |                         | 150W (Convection)<br>200W (with 400 LFM Forced Air) | 200W (Convection)<br>400W (with 400 LFM Forced Air) | 300W (Convection)<br>600W (with 600 LFM Forced Air) |
| PARD (20MHz) <sup>1)</sup>            |                         | < 480mVpp   | < 680mVpp   | < 880mVpp   |
| Hold-up Time (100% Load)              | 115Vac                  | > 5ms   | > 5ms   | > 16ms  |
|                                       | 230Vac                  |   |   |   |
| INPUT                                 |                         |   |   |   |
| Phase Input                           | Single Phase            |   |   |   |
| Input Voltage Range                   | 85-305Vac               |   |   |   |
| Input Frequency                       | 47-63Hz                 |   |   |   |
| Input Current                         | 115Vac                  | < 2.20A   | < 4.74A   | < 6.5A  |
| Efficiency at 100% Load <sup>2)</sup> | 115Vac                  | > 85.0%   | > 85.0%   | > 87.5%   |
|                                       | 230Vac                  | > 90.0%   | > 90.0%   | > 90.0%   |
| Max Inrush Current (Cold Start)       | 230Vac                  | < 20A   | < 20A   | < 12A   |
| Power Factor                          | 115Vac                  | > 0.95  | > 0.95  | > 0.95  |
|                                       | 230Vac                  |   |   |   |
| Leakage Current                       |                         | < 500µA   | < 500µA   | < 500µA   |
| MECHANICAL                            |                         |   |   |   |
| Case Cover / Chassis                  | -                       |   |   |   |
| Dimensions (L x W x H)                | mm                      | 127.6 × 76.2 × 34.8                                 | 127 × 76.6 × 39.3                                   | 177.8 × 101.6 × 41.0                                |
|                                       | inch                    | 5.02 × 3.00 × 1.38                                  | 5.00 × 3.02 × 1.55                                  | 7.00 × 4.00 × 1.61                                  |
| Unit Weight                           | kg                      | 0.42  | 0.44  | 0.82  |
|                                       | lb                      | 0.93  | 0.97  | 1.80  |
| Cooling System                        | Convection / Forced Air |   |   |   |
| MTBF <sup>3)</sup>                    |                         | > 500,000 hrs                                       | > 500,000 hrs                                       | > 500,000 hrs                                       |
| ENVIRONMENT                           |                         |   |   |   |
| Operating Temperature <sup>4)</sup>   |                         | -40°C to +70°C                                      | -40°C to +80°C                                      |   |
| Storage Temperature                   |                         | -40°C to +85°C                                      |   |   |
| Operating Humidity                    |                         | 5 to 95% RH (Non-Condensing)                        |   |   |
| Operating Altitude                    |                         | 0 to 5,000m (0 to 16,400 ft)                        |   |   |

#### Dimensions Reference



#### Notes

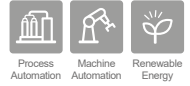
- 1) PARD is measured with an AC coupling mode, 5cm wires, and in parallel with 0.1µF ceramic capacitor & 47µF electrolytic capacitor.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# INDUSTRIAL POWER SUPPLIES

## | DIN Rail Modules



### CliQ II

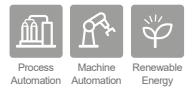


#### Redundancy Modules

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1



### CliQ II

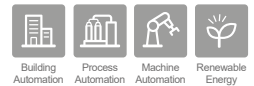


#### Buffer Modules

- Minimum buffering time of:
  - 250ms @ 24V/20A for DRB-24V020AB□
  - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes:  
Fixed mode at 22Vdc; Dynamic mode for  $V_{in} - 1V$
- Support parallel connection to extend buffering time
- Certified according to IEC/EN/UL 62368-1



### CliQ II

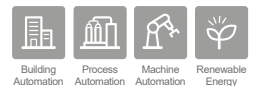


#### DC-UPS Module

- Full corrosion resistant aluminium casing
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- Certified according to IEC/EN/UL 62368-1



### CHROME



#### DC-UPS Module

- Suitable for 24V system up to 10A
- Zero switch over time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- Certified according to IEC/EN/UL 62368-1



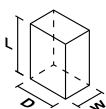
## Features

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- IP20 Certified
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                              |      | DRR-20□  | DRR-40□  |
|-------------------------------------|------|--|--|
| Output Current                      |      | Normal mode = 0-20Amps;<br>Short Circuit or Overload = 25Amps max  | Normal mode = 0-40Amps;<br>Short Circuit or Overload = 50Amps max                                      |
| Voltage Drop ( $V_{in} - V_{out}$ ) |      | Typical 0.65V  |  |
| INPUT                               |      |  |  |
| Input Voltage Range                 |      | 22-60Vdc   |  |
| Input Current                       |      | (1+1 Redundancy) = Nom. 2 x 12.5Amps<br>(N+1 Redundancy) = Nom. 2 x 10Amps<br>(Single use) = Nom. 20Amps | (1+1 Redundancy) = Nom. 2 x 25Amps<br>(N+1 Redundancy) = Nom. 2 x 20Amps<br>(Single use) = Nom. 40Amps |
| MECHANICAL                          |      |  |  |
| Case Cover / Chassis                |      | Aluminium  |  |
| Dimensions (L x W x D)              | mm   | 121 x 50 x 122.1   | 121 x 50 x 122.1   |
|                                     | inch | 4.76 x 1.97 x 4.81   | 4.76 x 1.97 x 4.81   |
| Unit Weight                         | kg   | 0.38   | 0.52   |
|                                     | lb   | 0.84   | 1.15   |
| Cooling System                      |      | Convection   |  |
| LED Indicators                      |      | Green LED DC OK: $V_{in,1}$ and $V_{in,2}$   |  |
| MTBF <sup>1)</sup>                  |      | > 800,000 hrs  | > 800,000 hrs  |
| ENVIRONMENT                         |      |  |  |
| Operating Temperature <sup>2)</sup> |      | -40°C to +80°C   |  |
| Storage Temperature                 |      | -40°C to +85°C   |  |
| Operating Humidity                  |      | 5 to 95% RH (Non-Condensing)   |  |
| Operating Altitude                  |      | 0 to 2,500 m (0 to 8,200 ft)   |  |

### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



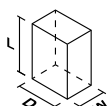
## Features

- Minimum buffering time of:
  - 250ms @ 24V/20A for DRB-24V020AB□
  - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes:
  - Fixed mode at 22Vdc; Dynamic mode for  $V_{in} - 1V$
- Support parallel connection to extend buffering time
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRB-24V020ABA)
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                              |      | DRB-24V020AB□   | DRB-24V040ABN                                     |
|-------------------------------------|------|---|---|
| Output Voltage                      |      | 24Vdc typ. (Depends on $V_{in}$ )   | 24Vdc typ. (Depends on $V_{in}$ )                 |
| Output Voltage Range                |      | 22-28V<br>(Switch = "Fix 22V" buffering starts if terminal voltage falls below 22V)<br>(Switch = " $V_{in} - 1V$ " buffering starts if terminal voltage is decreased by more than 1V)   |   |
| Output Current                      |      | 20.0A Max   | 40.0A Max   |
| PARD (20MHz)                        |      | < 200mVpp, Buffering Mode   | < 350mVpp, Buffering Mode                         |
| Buffer Time                         |      | 250ms Min @ 24V/20A load,<br>5s Min @ 24V/1A load   | 200ms Min @ 24V/40A load,<br>8s Min @ 24V/1A load |
| INPUT                               |      |   |   |
| Input Voltage Range                 |      | 22.8-28.8Vdc  |   |
| Input Current                       |      | Charging Mode: < 0.6A   | Charging Mode: < 0.6A                             |
| Input Power                         |      | 2.5W average (Standby Mode)   |   |
| Charging Time                       |      | < 30s   | < 40s   |
| Polarity Protection                 |      | Yes   | Yes   |
| MECHANICAL                          |      |   |   |
| Case Cover / Chassis                |      | Aluminium   |   |
| Dimensions (L × W × D)              | mm   | 121 × 70 × 120.1  | 121 × 70 × 120.1                                  |
|                                     | inch | 4.76 × 2.76 × 4.73  | 4.76 × 2.76 × 4.73                                |
| Unit Weight                         | kg   | 0.76  | 0.90  |
|                                     | lb   | 1.68  | 1.98  |
| Cooling System                      |      | Convection  |   |
| LED Indicators                      |      | Green LED Off = Unit is discharged or $V_{in} < 22Vdc$<br>Green LED On = Unit is fully charged (Ready)<br>Green LED Flashing Slowly (1Hz) = Unit is charging<br>Green LED Flashing Quickly (10Hz) = Unit is discharging (Buffering) |   |
| MTBF <sup>1)</sup>                  |      | > 800,000 hrs   | > 800,000 hrs                                     |
| ENVIRONMENT                         |      |   |   |
| Operating Temperature <sup>2)</sup> |      | -25°C to +75°C  |   |
| Storage Temperature                 |      | -25°C to +85°C  |   |
| Operating Humidity                  |      | 5 to 95% RH (Non-Condensing)  |   |
| Operating Altitude                  |      | 0 to 2,500 m (0 to 8,200 ft)  |   |

### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



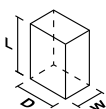
## Features

- Full corrosion resistant aluminium casing
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs per Telcordia SR-332
- Conformal coating option on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

## Specifications

| OUTPUT                              |      | DRU-24V40ABN   |
|-------------------------------------|------|--|
| Output Voltage Range                |      | 23-28Vdc   |
| Output Current                      |      | 40.0A Max  |
| Output Power                        |      | 960W Max   |
| INPUT                               |      |  |
| Input Voltage Range                 |      | 24-28Vdc   |
| Input Current                       |      | Charging Mode: 2.0A ± 1.0A   |
| Charging Time                       |      | < 3hr ± 1 hr (for battery 24V/15AH)  |
| Efficiency                          |      | Charging Mode: > 70.0%<br>Buffering Mode: > 99.0%  |
| MECHANICAL                          |      |  |
| Case Cover / Chassis                |      | Aluminium  |
| Dimensions (L × W × D)              | mm   | 121 × 50 × 117.3   |
|                                     | inch | 4.76 × 1.97 × 4.62   |
| Unit Weight                         | kg   | 0.60   |
|                                     | lb   | 1.32   |
| Cooling System                      |      | Convection   |
| LED Indicators                      |      | Green LED ON = Battery is fully charged<br>Green LED Flashing = Battery is charging<br>Orange LED ON = Battery 24V or DC 24V reverse polarity<br>Orange LED Flashing = Battery is discharging<br>Red LED ON = Battery fail (no battery is connected) |
| MTBF <sup>1)</sup>                  |      | > 500,000 hrs  |
| ENVIRONMENT                         |      |  |
| Operating Temperature <sup>2)</sup> |      | -20°C to +60°C   |
| Storage Temperature                 |      | -40°C to +85°C   |
| Operating Humidity                  |      | 5 to 95% RH (Non-Condensing)   |
| Operating Altitude                  |      | 0 to 3,000 m (0 to 9,840 ft)   |

### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## CHROME

### Features

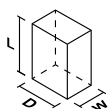


- Suitable for 24V system up to 10A
- Zero switch over time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- Full power for the entire temperature range from -20°C to +60°C
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs as per Telcordia SR-332
- Certified according to IEC/EN/UL 62368-1

### Specifications

| OUTPUT                              |      | DRU-24V10ACZ   |
|-------------------------------------|------|--|
| Output Voltage Range                |      | 23-28Vdc   |
| Output Current                      |      | 10.0A Max  |
| Output Power                        |      | 240W Max   |
| INPUT                               |      |  |
| Input Voltage Range                 |      | 24-28Vdc   |
| Input Current                       |      | Charging Mode: 0.5A ± 0.1A   |
| Charging Time                       |      | < 25hr ± 5 hr (for battery 24V/12AH)   |
| Efficiency                          |      | Charging Mode: > 70.0%<br>Buffering Mode: > 99.0%  |
| MECHANICAL                          |      |  |
| Case Cover / Chassis                |      | Plastic  |
| Dimensions (L × W × D)              | mm   | 91 × 71 × 55.6   |
|                                     | inch | 3.58 × 2.80 × 2.19   |
| Unit Weight                         | kg   | 0.14   |
|                                     | lb   | 0.31   |
| Cooling System                      |      | Convection   |
| LED Indicators                      |      | Green LED ON = Battery is fully charged<br>Green LED Flashing = Battery is charging<br>Orange LED ON = Battery 24V or DC 24V reverse polarity<br>Orange LED Flashing = Battery is discharging<br>Red LED ON = Battery fail (no battery is connected) |
| MTBF <sup>1)</sup>                  |      | > 500,000 hrs  |
| ENVIRONMENT                         |      |  |
| Operating Temperature <sup>2)</sup> |      | -20°C to +60°C   |
| Storage Temperature                 |      | -40°C to +85°C   |
| Operating Humidity                  |      | 5 to 95% RH (Non-Condensing)   |
| Operating Altitude                  |      | 0 to 3,000 m (0 to 9,840 ft)   |

#### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# INDUSTRIAL POWER SUPPLIES

## | Adapter



### ADT

- Up to 89% efficiency
- Meet efficiency DoE Level VI & CoC Tier 2
- No load power consumption < 0.15W
- Protection: short circuit / over voltage / overload / over temperature



## ADT

### Features

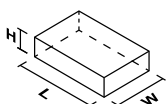
- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature



### Specifications

| OUTPUT                              |        | ADT-060A12A□   | ADT-150B12AA  | ADT-060A15A□  |
|-------------------------------------|--------|--|---|---|
| Output Voltage                      |        | 12V  | 12V   | 15V   |
| Output Current (Max)                |        | 5.0A   | 12.5A   | 4.0A  |
| Output Power                        |        | 60W  | 150W  | 60W   |
| PARD (20MHz)                        |        | < 240mVpp @ 0°C to +40°C,<br>< 480mVpp @ -10°C to 0°C  | < 240mVpp @ 0°C to +40°C,<br>< 480mVpp @ -10°C to 0°C | < 300mVpp @ 0°C to +40°C,<br>< 600mVpp @ -10°C to 0°C |
| Hold-up Time                        | 115Vac | 12ms typ.  | 40ms typ.   | 12ms typ.   |
|                                     | 230Vac | 60ms typ.  | -   | 60ms typ.   |
| INPUT                               |        |  |   |   |
| Input Voltage Range                 |        | 85-264Vac  | 90-264Vac   | 85-264Vac   |
| Input Frequency                     |        | 47-63Hz  |   |   |
| Input Current                       | 115Vac | < 1.4A   | < 2.0A  | < 1.4A  |
|                                     | 230Vac | < 1.0A   | < 1.0A  | < 1.0A  |
| Efficiency at 100% Load             | 115Vac | 87.6% typ.   | 89.0% typ.  | 87.9% typ.  |
|                                     | 230Vac | 90.2% typ.   | 90.0% typ.  | 90.0% typ.  |
| Max Inrush Current (Cold Start)     |        | No damage  | No damage   | No damage   |
| Power Factor                        | 230Vac | -  | > 0.90  | -   |
| Leakage Current                     | 240Vac | < 0.1mA  | < 0.1mA   | < 0.1mA   |
| MECHANICAL                          |        |  |   |   |
| Dimensions (L × W × H)              | mm     | 108 × 46 × 29.5  | 155 × 76 × 30   | 108 × 46 × 29.5                                       |
|                                     | inch   | 4.25 × 1.81 × 1.16   | 6.10 × 3.00 × 1.20                                    | 4.25 × 1.81 × 1.16                                    |
| Unit Weight                         | kg     | 0.18   | 0.54  | 0.18  |
|                                     | lb     | 0.40   | 1.19  | 0.40  |
| Connector Type                      |        | ADT-060A□AA: Input: C6; Output: Tuning fork<br>ADT-060A□AB: Input: C8; Output: Tuning fork<br>ADT-150B12AA: Input: C6; Output: Barrel type |   |   |
| Cooling System                      |        | Convection   |   |   |
| MTBF <sup>1)</sup>                  |        | > 700,000 hrs  | > 300,000 hrs   | > 700,000 hrs   |
| ENVIRONMENT                         |        |  |   |   |
| Operating Temperature <sup>2)</sup> |        | -10°C to +60°C   |   |   |
| Storage Temperature                 |        | -40°C to +85°C   |   |   |
| Operating Humidity                  |        | 5 to 95% RH (Non-Condensing)   |   |   |
| Operating Altitude                  |        | 0 to 5,000 m (0 to 16,400 ft)  |   |   |
| Protection Against Shock            |        | Class II   | Class I   | Class II  |

#### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (ADT-060A12A and ADT-060A15A: I/P: 115Vac, O/P: 100% load; ADT-150B12AA: I/P: 100Vac, O/P: 100% load).
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## ADT

### Features

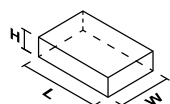
- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature



### Specifications

| OUTPUT                              |        | ADT-060A19A□   | NEW<br>ADT-120A19AA | NEW<br>ADT-150A19AA                                   |
|-------------------------------------|--------|--|---------------------|---|
| Output Voltage                      |        | 19V  | 19.5V               | 19.5V   |
| Output Current (Max)                |        | 3.2A   | 6.15A               | 7.7A  |
| Output Power                        |        | 60.8W  | 120W                | 150W  |
| PARD (20MHz)                        |        | < 380mVpp @ 0°C to +40°C,<br>< 760mVpp @ -10°C to 0°C  |                     | < 380mVpp @ 0°C to +40°C,<br>< 760mVpp @ -10°C to 0°C |
| Hold-up Time                        | 115Vac | 12ms typ.  | > 20ms              | > 16ms  |
|                                     | 230Vac | 60ms typ.  |                     |   |
| INPUT                               |        |  |                     |   |
| Input Voltage Range                 |        | 85-264Vac  | 90-264Vac           |   |
| Input Frequency                     |        | 47-63Hz  |                     |   |
| Input Current                       | 115Vac | < 1.4A   | < 1.4A              | < 1.8A  |
|                                     | 230Vac | < 1.0A   | < 0.7A              | < 0.9A  |
| Efficiency at 100% Load             | 115Vac | 87.6% typ.   | 90.0% typ.          | 90.0% typ.  |
|                                     | 230Vac | 90.2% typ.   | 91.5% typ.          | 91.5% typ.  |
| Max Inrush Current (Cold Start)     |        | No damage  | No damage           | No damage   |
| Power Factor                        | 230Vac | -  | > 0.9               | > 0.9   |
| Leakage Current                     | 240Vac | < 0.1mA  | < 0.1mA             | < 0.25mA  |
| MECHANICAL                          |        |  |                     |   |
| Dimensions (L × W × H)              | mm     | 108 × 46 × 29.5  | 138 × 68.5 × 24.5   | 160 × 76.2 × 25.8                                     |
|                                     | inch   | 4.25 × 1.81 × 1.16   | 5.43 × 2.70 × 0.96  | 6.30 × 3.00 × 1.02                                    |
| Unit Weight                         | kg     | 0.18   | 0.34                | 0.41  |
|                                     | lb     | 0.40   | 0.75                | 0.90  |
| Connector Type                      |        | ADT-060A19AA, ADT-120B19AA: Input: C6; Output: Tuning fork<br>ADT-060A19AB: Input: C8; Output: Tuning fork<br>ADT-150A19AA: Input: C6; Output: Barrel type |                     |   |
| Cooling System                      |        | Convection   |                     |   |
| MTBF <sup>1)</sup>                  |        | > 700,000 hrs  | > 300,000 hrs       | > 300,000 hrs   |
| ENVIRONMENT                         |        |  |                     |   |
| Operating Temperature <sup>2)</sup> |        | -10°C to +60°C   |                     |   |
| Storage Temperature                 |        | -40°C to +85°C   |                     |   |
| Operating Humidity                  |        | 5 to 95% RH (Non-Condensing)   |                     |   |
| Operating Altitude                  |        | 0 to 5,000 m (0 to 16,400 ft)  |                     |   |
| Protection Against Shock            |        | Class II   |                     | Class I   |

#### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

## ADT

### Features

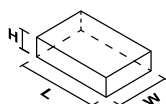
- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature



### Specifications

| OUTPUT                              |        | ADT-060A24A□   | ADT-090A24AA       | ADT-120A24AA  |
|-------------------------------------|--------|--|--------------------|---|
| Output Voltage                      |        | 24V  | 24V                | 24V   |
| Output Current (Max)                |        | 2.5A   | 3.75A              | 5.0A  |
| Output Power                        |        | 60W  | 90W                | 120W  |
| PARD (20MHz)                        |        | < 480mVpp @ 0°C to +40°C,<br>< 960mVpp @ -10°C to 0°C  |                    | < 240mVpp @ 0°C to +40°C,<br>< 480mVpp @ -10°C to 0°C |
| Hold-up Time                        | 115Vac | 12ms typ.  | 40ms typ.          | 40ms typ.   |
|                                     | 230Vac | 60ms typ.  | -                  | -   |
| INPUT                               |        |  |                    |   |
| Input Voltage Range                 |        | 85-264Vac  | 90-264Vac          |   |
| Input Frequency                     |        | 47-63Hz  |                    |   |
| Input Current                       | 115Vac | < 1.4A   | < 1.3A             | < 1.85A   |
|                                     | 230Vac | < 1.0A   | < 0.6A             | < 1.0A  |
| Efficiency at 100% Load             | 115Vac | 88.8% typ.   | 90.0% typ.         | 91.0% typ.  |
|                                     | 230Vac | 90.1% typ.   | 91.5% typ.         | 92.0% typ.  |
| Max Inrush Current (Cold Start)     |        | No damage  | No damage          | No damage   |
| Power Factor                        | 230Vac | -  | > 0.9              | > 0.9   |
| Leakage Current                     | 240Vac | < 0.1mA  | < 0.1mA            | < 250µA   |
| MECHANICAL                          |        |  |                    |   |
| Dimensions (L × W × H)              | mm     | 108 × 46 × 29.5  | 126 × 51 × 30      | 138 × 68.5 × 24.5                                     |
|                                     | inch   | 4.25 × 1.81 × 1.16   | 4.96 × 2.00 × 1.18 | 5.43 × 2.70 × 0.96                                    |
| Unit Weight                         | kg     | 0.18   | 0.18               | 0.34  |
|                                     | lb     | 0.40   | 0.40               | 0.75  |
| Connector Type                      |        | ADT-060A24AA, ADT-120A24AA: Input: C6; Output: Tuning fork<br>ADT-090A24AA: Input: C6; Output: Barrel type<br>ADT-060A24AB: Input: C8; Output: Tuning fork |                    |   |
| Cooling System                      |        | Convection   |                    |   |
| MTBF <sup>1)</sup>                  |        | > 700,000 hrs  | > 300,000 hrs      | > 300,000 hrs   |
| ENVIRONMENT                         |        |  |                    |   |
| Operating Temperature <sup>2)</sup> |        | -10°C to +60°C   |                    |   |
| Storage Temperature                 |        | -40°C to +85°C   |                    |   |
| Operating Humidity                  |        | 5 to 95% RH (Non-Condensing)   |                    |   |
| Operating Altitude                  |        | 0 to 5,000 m (0 to 16,400 ft)  |                    |   |
| Protection Against Shock            |        | Class II   | Class I            |   |

#### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



## ADT

### Features

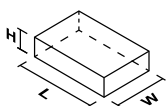
- Meet efficiency DoE Level VI & CoC Tier 2
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature



### Specifications

|                                     |        | NEW   |   |
|-------------------------------------|--------|---|---|
| OUTPUT                              |        | ADT-150A24AA  | ADT-150C24AC  |
| Output Voltage                      |        | 24V   | 24V   |
| Output Current (Max)                |        | 6.25A   | 6.25A   |
| Output Power                        |        | 150W  | 150W  |
| PARD (20MHz)                        |        | < 240mVpp @ 0°C to +40°C,<br>< 480mVpp @ -10°C to 0°C                                       | < 240mVpp @ 0°C to +40°C,<br>< 480mVpp @ -10°C to 0°C |
| Hold-up Time                        | 115Vac | 30ms typ.   | 16ms typ.   |
|                                     | 230Vac | -   | -   |
| INPUT                               |        |   |   |
| Input Voltage Range                 |        | 90-264Vac   |   |
| Input Frequency                     |        | 47-63Hz   |   |
| Input Current                       | 115Vac | < 1.85A   | < 1.85A   |
|                                     | 230Vac | < 1.0A  | < 1.0A  |
| Efficiency at 100% Load             | 115Vac | 91.0% typ.  | 90.0% typ.  |
|                                     | 230Vac | 92.0% typ.  | 91.0% typ.  |
| Max Inrush Current (Cold Start)     |        | No damage   | No damage   |
| Power Factor                        | 230Vac | > 0.9   | > 0.9   |
| Leakage Current                     | 240Vac | < 250µA   | < 0.25mA  |
| MECHANICAL                          |        |   |   |
| Dimensions (L × W × H)              | mm     | 160 × 76.2 × 25.8   | 165.1 × 76.1 × 31.5                                   |
|                                     | inch   | 6.30 × 3.00 × 1.02  | 6.50 × 3.00 × 1.24                                    |
| Unit Weight                         | kg     | 0.41  | 0.47  |
|                                     | lb     | 0.90  | 1.04  |
| Connector Type                      |        | ADT-150A24AA: Input: C6, Output: Tuning fork<br>ADT-150C24AC: Input: C14, Output: 4-pin DIN |   |
| Cooling System                      |        | Convection  |   |
| MTBF <sup>1)</sup>                  |        | > 300,000 hrs   | > 300,000 hrs   |
| ENVIRONMENT                         |        |   |   |
| Operating Temperature <sup>2)</sup> |        | -10°C to +60°C  |   |
| Storage Temperature                 |        | -40°C to +85°C  |   |
| Operating Humidity                  |        | 5 to 95% RH (Non-Condensing)  |   |
| Operating Altitude                  |        | 0 to 5,000 m (0 to 16,400 ft)   |   |
| Protection Against Shock            |        | Class I   |   |

#### Dimensions Reference



#### Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 2) Refer power de-rating in the product datasheet.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

# ALTERNATE MODEL LIST



## LYTE



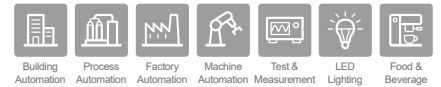
- Slim form factor
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (optional)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1

| Series   | Model Name*    | Phase | PFC | Output Voltage | Output Current | Output Power | Recommended LYTE II Model Name | Page |
|--|----------------|-------|-----|----------------|----------------|--------------|--------------------------------|------|
|  |                | 1     |     |                |                |              |                                |      |
| <b>LYTE</b><br>• Competitively priced<br>• Built-in constant current circuit | DRL-24V120W1A□ | •     |     | 24V            | 5.0A           | 120W         | DRL-24V120W1EN□                | 33   |
|  | DRL-24V240W1A□ | •     | •   |                | 10.0A          | 240W         | DRL-24V240W1EN□                |      |
|  | DRL-48V120W1A□ | •     |     | 48V            | 2.5A           | 120W         | DRL-48V120W1EN                 | 34   |

\* Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for product detail specifications.



## PMT



- AC input voltage selectable by switch (Universal AC input voltage range for selected models only)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A (except 200W and 350W)
- Versatile configuration options: Open Frame, L Frame, Enclosed

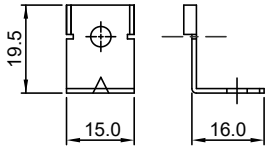
| Series  | Model Name*    | Phase | PFC | Output Voltage | Output Current | Output Power    | Recommended PMT2 Model Name | Page |
|---|----------------|-------|-----|----------------|----------------|-----------------|-----------------------------|------|
|   |                | 1     |     |                |                |                 |                             |      |
| <b>PMT</b><br>• AC input voltage selectable switch<br>• High MTBF | PM□-12V35W1A□  | •     |     | 12V            | 2.92A          | 35W             | PMT-12V35W2BA□              | 41   |
|   | PM□-12V50W1A□  | •     |     |                | 4.2A           | 50W             | PMT-12V50W2BA□              |      |
|   | PM□-12V100W1A□ | •     |     |                | 8.5A           | 102W            | PMT-12V100W2BA□             |      |
|   | PM□-12V150W1A□ | •     |     | 12.5A          | 150W           | PMT-12V150W2BA□ | 42                          |      |
|   | PMT-12V350W1A□ | •     |     | 29.0A          | 348W           | PMT-12V350W2BR□ |                             |      |
|   | PM□-15V50W1A□  | •     |     | 15V            | 3.4A           | 51W             | PMT-15V50W2BA               | 43   |
|   | PM□-24V35W1A□  | •     |     | 24V            | 1.46A          | 35W             | PMT-24V35W2BA□              | 44   |
|   | PM□-24V50W1A□  | •     |     |                | 2.09A          | 50W             | PMT-24V50W2BA□              |      |
|   | PM□-24V100W1A□ | •     |     |                | 4.5A           | 108W            | PMT-24V100W2BA□             |      |
|   | PM□-24V150W1A□ | •     |     | 6.5A           | 156W           | PMT-24V150W2BA□ | 45                          |      |
|   | PMT-24V350W1AM | •     |     | 14.6A          | 350.4W         | PMT-24V350W2BM□ |                             |      |
|   | PMT-24V350W1AR | •     |     | 14.6A          | 350.4W         | PMT-24V350W2BR□ |                             |      |
|   | PMT-36V350W1A□ | •     |     | 36V            | 9.7A           | 349.2W          | PMT-36V350W2BR              | 48   |
|   | PM□-48V150W1A□ | •     |     | 48V            | 3.3A           | 158.2W          | PMT-48V150W2BA              | 50   |
|   | PMT-48V350W1A□ | •     |     |                | 7.3A           | 350W            | PMT-48V350W2BR              |      |

\* Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) for product detail specifications.

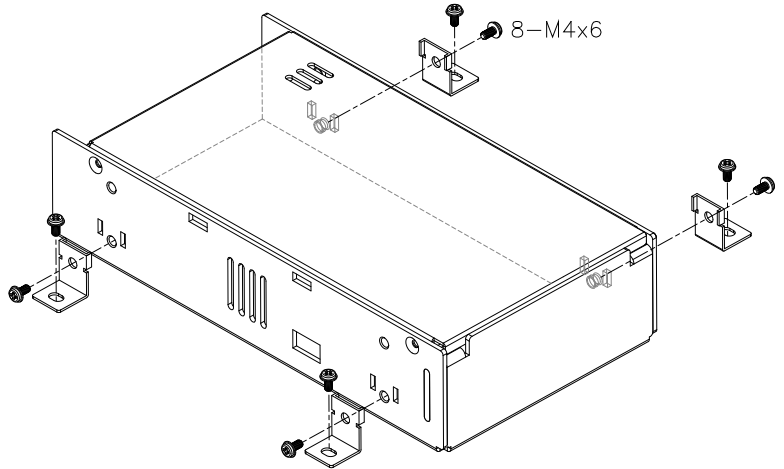
# ACCESSORIES

## | Panel Mount Accessories


### • LM-01



### Accessories Assembly



### Model Information

| Item  | Model Number | Compatible Models  |
|---|--------------|--|
|  | LM-01        | PMT-12V350W2B□□<br>PMT-24V350W2B□□<br>PMT-36V350W2B□<br>PMT-48V350W2B□<br>PMF-4V320WC□□<br>PMF-5V320WC□□<br>PMF-24V240WC□□, PMF-24V320WC□□<br>PMR-4V320WC□A, PMR-4V320WD□A<br>PMR-5V320WC□A, PMR-5V320WD□A |

# | FAQs



## What is Power Boost?

It is the reserve power available constantly that allows reliable startup of loads with high outrush current.



## Why is Power Boost beneficial?

Such feature is especially useful for applications where loads are active; the high surge current can cause the power supply unit (PSU) output to dip down if the PSU does not have the capability to withstand this surge current. Consequently, this could reset the system and result in system downtime.



## What is Advanced Power Boost (APB)?

Within a multiple loads connection, Advanced Power Boost (APB) can detect a faulty current path and provide a large outrush current to trip the circuit breaker connected to the faulty path. This prevents the system from shutting down while the other connected current paths continue to operate without interruption.



## What should I consider when selecting a power supply unit (PSU)?

- Input Type (Single Phase or 3 Phase)
- Output Power
- Efficiency and Reliability

Efficiency and Reliability are the two most important factors to consider in selecting a PSU.

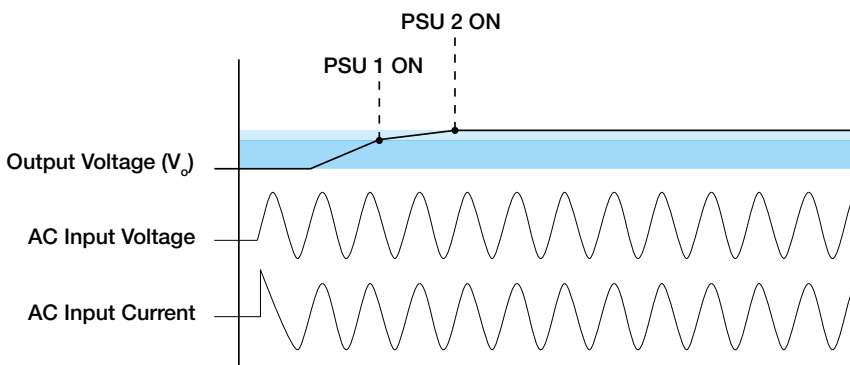
The best way to ensure the reliability of the PSU is to choose one that provides a maximum of 30% more output than your actual total requirement. For example, if your system has a 90W power requirement, you should choose a PSU with at least 120W power output rating. By doing so, you are boosting the reliability of the PSU as well as prolonging the entire system life.

An efficient PSU will thus ensure that power loss is minimized and will greatly help to lower your operating costs in the long run. By choosing a cheaper, but less efficient PSU will just mean that you are paying for it through your monthly electric bills. Delta's CliQ DIN rail power supply easily give our users a substantial efficiency of up to 87% or more even when operating at <100% load. Other factors to consider include the operating conditions, types of safety certifications, PSU protection and application functions. Please contact your nearest Delta sales representative for a recommendation based on your requirements.



## What critical parameters do I have to watch out for when connecting the power supplies in series?

The turn ON would be non-monotonic as the power supply with the fastest startup time and rise time will turn on first. As a result, the startup waveform with 2 power supplies connected in series would see a step.



# STANDARDS & APPROVALS

## | Industrial Power Supplies

|                              | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 62368-1 | SIQ or TUV to EN 60950-1 | SIQ or TUV to EN 62368-1 | UL 60950-1 | UL 62368-1 | UL 508 | UL 1310 | NEC Class 2 | CSA C22.2 No. 107.1-01 | CSA C22.2 No. 60950-1 | ATEX EN 60079-15 | CSA C22.2 No. 213 and ANS/ISA-12.12.09 | BIS (India) | BSMI (Taiwan) | CCC (China) | EAC (Eurasian Customs Union) | KC (Korea) | UKCA (United Kingdom) | RoHS Directive 2011/65/EU | RoHS Directive (EU) 2015/863 Compliant (EN 50581) | SEMI F47 | EN 61204-3 | EN 61000-3-2 | EN 61000-3-3 (Flicker) | EN 61000-6-1 (Immunity) | EN 61000-6-2 (Immunity) | EN 55024 (Immunity) | EN 55011 Class B (Emissions) | EN 55032 Class B (Emissions) |   |
|------------------------------|----|--------------------------|--------------------------|--------------------------|--------------------------|------------|------------|--------|---------|-------------|------------------------|-----------------------|------------------|--|-------------|---------------|-------------|------------------------------|------------|-----------------------|---------------------------|---|----------|------------|--------------|------------------------|-------------------------|-------------------------|---------------------|------------------------------|------------------------------|---|
| <b>DIN Rail Power Supply</b> |    |                          |                          |                          |                          |            |            |        |         |             |                        |                       |                  |  |             |               |             |                              |            |                       |                           |   |          |            |              |                        |                         |                         |                     |                              |                              |   |
| DRP012V015W1AY               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       | •           | •                      | •                     | •                | •                                      |             |               |             | •                            |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            |   |
| DRP012V015W1AZ               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       |                  |  |             |               |             | •                            |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP012V030W1AY               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP012V030W1AZ               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP012V060W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       |                  | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP012V100W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP-24V48W1AZ                | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       | •                |  |             |               | •           |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1AZ               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  | •           |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V120W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V240W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V480W1AA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     | •                | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        |                       |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V120W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V120W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V240W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V240W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  | •           | •             | •           |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V480W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V480W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1NY               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W1NZ               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  | •                                      |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP-24V100W1NN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP-24V120W2BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP-24V240W2BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W3BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V060W3BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V120W3BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V120W3BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V240W3BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V240W3BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V480W3BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V480W3BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP024V960W3BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V060W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V060W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V120W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V120W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V240W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V240W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V480W1BA               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |
| DRP048V480W1BN               | •  | •                        | •                        | •                        | •                        | •          | •          | •      | •       |             |                        | •                     |                  |  |             |               |             |                              |            | •                     | •                         | •   |          |            | •            | •                      | •                       | •                       | •                   | •                            | •                            | • |

Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) to check the certification status.

- Certified
- Pending
- △ Compliant





# STANDARDS & APPROVALS

## | Industrial Power Supplies

|                                 | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 62368-1 | CB Scheme to IEC 61558-1, IEC 61558-2-16 | CB Scheme to IEC 60335-1 | TUV to EN 60950-1 | TUV to EN 62368-1 | TUV to EN 61558-1, EN 61558-2-16 | TUV to EN 60335-1 | UL 60950-1 | UL 62368-1 | NEC Class 2 | BSMI | CCC (China) | EAC (Eurasian Customs Union) | KC (Korea) | UKCA (United Kingdom) | RoHS Directive 2011/65/EU | RoHS Directive (EU) 2015/863 Compliant (EN 50581) | EN 61000-3-2 | EN 61000-3-3 (Flicker) | EN 61000-6-1 (Immunity) | EN 61000-6-2 (Immunity) | EN 55014-2 (Immunity) | EN 55024 (Immunity) | EN 55035 (Immunity) | EN 55011 Class B (Emissions) | EN 55032 Class B (Emissions) | EN 55014-1 (Emissions) | EN 61000-6-3 (Emissions) | EN 61000-6-4 (Emissions) |  |
|---------------------------------|----|--------------------------|--------------------------|--|--------------------------|-------------------|-------------------|----------------------------------|-------------------|------------|------------|-------------|------|-------------|------------------------------|------------|-----------------------|---------------------------|---|--------------|------------------------|-------------------------|-------------------------|-----------------------|---------------------|---------------------|------------------------------|------------------------------|------------------------|--------------------------|--------------------------|--|
| <b>Panel Mount Power Supply</b> |    |                          |                          |  |                          |                   |                   |                                  |                   |            |            |             |      |             |                              |            |                       |                           |   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-12V35W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-12V50W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-12V75W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-12V100W2BA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-12V150W2BA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-12V150W2CA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-12V200W2BM□                 |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-12V200W2BR□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-12V350W2BM□                 |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-12V350W2BR□                 | ●  | ●                        | ●                        |  |                          |                   | ●                 |                                  |                   | ●          |            |             | ●    |             | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       |                       | ●                   |                     | ●                            |                              |                        | △                        | ●                        |  |
| PMT-15V35W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-15V50W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-15V75W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-15V100W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-15V150W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-15V150W2CA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-24V35W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-24V50W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-24V75W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-24V100W2BA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-24V150W2BA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-24V150W2CA□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-24V200W2BM□                 |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-24V200W2BR□                 | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-24V350W2BM□                 |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-24V350W2BR□                 | ●  | ●                        | ●                        |  |                          |                   | ●                 |                                  |                   | ●          |            |             | ●    |             | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       |                       | ●                   |                     | ●                            |                              |                        | △                        | ●                        |  |
| PMT-30V35W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-30V50W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-30V75W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-30V100W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-30V150W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-30V150W2CA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V35W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-36V50W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-36V75W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V100W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V150W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V150W2CA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V200W2BM                  |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-36V200W2BR                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | △           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-36V350W2BM                  |    | ●                        | ●                        |  |                          |                   |                   |                                  |                   | ●          |            |             |      |             | ●                            |            |                       |                           | ●   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |  |
| PMT-36V350W2BR                  | ●  | ●                        | ●                        |  |                          |                   | ●                 |                                  |                   | ●          |            |             | ●    |             | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       |                       | ●                   |                     | ●                            |                              |                        | △                        | ●                        |  |
| PMT-48V35W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-48V50W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | △                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | △                        |  |
| PMT-48V75W2BA                   | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |
| PMT-48V100W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                   | ●                 | ●                                | ●                 | ●          |            |             | ●    | ●           | ●                            | ●          | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |  |

Please visit [www.DeltaPSU.com](http://www.DeltaPSU.com) to check the certification status.

- Certified
- Pending
- △ Compliant

|                                 | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 62368-1 | CB Scheme to IEC 61568-1, IEC 61558-2-16 | CB Scheme to IEC 60335-1 | CB Scheme to IEC 61010-1 | SIQ or TUV to EN 60950-1 | SIQ or TUV to EN 62368-1 | SIQ or TUV to EN 61568-1, EN 61558-2-16 | SIQ or TUV to EN 60335-1 | UL 60950-1 | UL 62368-1 | NEC Class 2 | BIS | BSMI | CCC (China) | EAC (Eurasian Customs Union) | KC (Korea)* | RCM (Australia)* | UKCA (United Kingdom) | RoHS Directive 2011/65/EU | RoHS Directive (EU) 2015/863 Compliant (EN 50581) | EN 61000-3-2 | EN 61000-3-3 (Flicker) | EN 61000-6-1 (Immunity) | EN 61000-6-2 (Immunity) | EN 55014-2 (Immunity) | EN 55024 (Immunity) | EN 55035 (Immunity) | EN 55011 Class B (Emissions) | EN 55032 Class B (Emissions) | EN 55014-1 (Emissions) | EN 61000-6-3 (Emissions) | EN 61000-6-4 (Emissions) |   |   |
|---------------------------------|----|--------------------------|--------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|---|--------------------------|------------|------------|-------------|-----|------|-------------|------------------------------|-------------|------------------|-----------------------|---------------------------|---|--------------|------------------------|-------------------------|-------------------------|-----------------------|---------------------|---------------------|------------------------------|------------------------------|------------------------|--------------------------|--------------------------|---|---|
| <b>Panel Mount Power Supply</b> |    |                          |                          |  |                          |                          |                          |                          |   |                          |            |            |             |     |      |             |                              |             |                  |                       |                           |   |              |                        |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMT-48V150W2BA                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     | ●    | ●           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   | ●                            | ●                            | △                      | △                        | ●                        |   |   |
| PMT-48V150W2CA                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     | ●    | △           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   | ●                            | ●                            | ●                      | △                        | △                        | ● |   |
| PMT-48V200W2BM                  |    | ●                        | ●                        |  |                          |                          |                          |                          |   |                          |            |            |             |     |      |             | ●                            |             |                  | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMT-48V200W2BR                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     | ●    | △           |                              |             | ●                | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMT-48V350W2BM                  |    | ●                        | ●                        |  |                          |                          |                          |                          |   |                          |            |            |             |     |      |             | ●                            |             |                  | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMT-48V350W2BR                  | ●  | ●                        | ●                        |  |                          |                          | ●                        |                          |   |                          | ●          |            |             |     | ●    |             | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            | ●                      | △                       | ●                       |                       | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMT-D1V75W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     |      | ●           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            |                        | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMT-D1V75W2CA□                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     |      | ●           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            |                        | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMT-D2V75W2BA□                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     |      | ●           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            |                        | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMT-D2V75W2CA□                  | ●  | ●                        | ●                        | ●  | ●                        |                          | ●                        | ●                        | ●                                       | ●                        | ●          |            |             |     |      | ●           | ●                            | ●           | ●                | ●                     | ●                         | ●   | ●            |                        | △                       | ●                       | △                     | ●                   | ●                   |                              | ●                            | △                      | △                        | ●                        |   |   |
| PMC-05V015W1AA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     | ●    |             | ●                            | ●           | ○                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     | ●                   |                              |                              |                        |                          |                          |   |   |
| PMC-05V035W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-05V050W1AA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V035W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V050W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V060W1NA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            | ●           | ●   |      |             | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V100W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V150W1B□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     | ●    | ●           | ○                            | ●           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-12V600W1BA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         | ●                     | ●                   | ●                   | ●                            | ●                            | ●                      | ●                        | ●                        | ● |   |
| PMC-24V035W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V050W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V075W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V100W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V150W1A□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V150W2AA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V150W1B□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V300W1BA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-24V600W1BA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         | ●                     | ●                   | ●                   | ●                            | ●                            | ●                      | ●                        | ●                        | ● |   |
| PMC-24V600W1RW                  | ●  | ●                        | ●                        |  | ●                        |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         | ●                     | ●                   | ●                   | ●                            | ●                            | ●                      | ●                        | ●                        | ● |   |
| PMC-DSPV100W1A                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-48V150W1BA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMC-48V600W1BA                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           | ●                            | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         | ●                     | ●                   | ●                   | ●                            | ●                            | ●                      | ●                        | ●                        | ● | ● |
| PMF-4V320WC□□                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMF-5V320WC□□                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMF-24V240WCA□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMF-24V240WCG□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMF-24V320WCA□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMF-24V320WCG□                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMR-4V320WC□A                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMR-4V320WD□A                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMR-5V320WC□A                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMR-5V320WD□A                   | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMU-13V155W□□A                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |
| PMU-27V155W□□A                  | ●  | ●                        | ●                        |  |                          |                          | ●                        | ●                        |   |                          | ●          |            |             |     |      | ●           |                              | ○           | ●                | ●                     | ●                         | ●   | ●            | ●                      |                         |                         |                       |                     |                     |                              |                              |                        |                          |                          |   |   |

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- Certified
- Pending
- △ Compliant
- \* For selected models

# STANDARDS & APPROVALS

## | Industrial Power Supplies

|                                 | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 62368-1 | CB Scheme to IEC 60601-1 | CB Scheme to IEC 60335-1 | SIQ or TUV to EN 60950-1 | SIQ or TUV to EN 62368-1 | TUV to EN 60601-1 | TUV to EN 60335-1 | UL 60950-1 | UL 62368-1 | UL 60601-1 | CSA C22.2 No. 62368-1 and ANSI/UL 62368-1 | CSA C22.2 No. 60601-1 | CCC (China) | EAC (Eurasian Customs Union) | PSE (Japan) | UKCA (United Kingdom) | RoHS Directive 2011/65/EU | RoHS Directive (EU) 2015/863 Compliant (EN 50581) | SEMI F47 | EN 61204-3 | EN 61000-3-2 | EN 61000-3-3 (Flicker) | EN 61000-6-1 (Immunity) | EN 61000-6-2 (Immunity) | EN 55014-2 (Immunity) | EN 55024 (Immunity) | EN 55035 (Immunity) | EN 55011 Class B (Emissions) | EN 55032 Class A (Emissions) | EN 55032 Class B (Emissions) | EN 55014-1 (Emissions) |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------------------------|----|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|------------|------------|------------|---|-----------------------|-------------|------------------------------|-------------|-----------------------|---------------------------|---|----------|------------|--------------|------------------------|-------------------------|-------------------------|-----------------------|---------------------|---------------------|------------------------------|------------------------------|------------------------------|------------------------|--|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| <b>Panel Mount Power Supply</b> |    |                          |                          |                          |                          |                          |                          |                   |                   |            |            |            |   |                       |             |                              |             |                       |                           |   |          |            |              |                        |                         |                         |                       |                     |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-500A24F AA                  | ●  | ●                        | ●                        | ●                        |                          | ●                        | ●                        | ●                 |                   | ●          |            | ●          |   |                       | ●           |                              |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                     | ●                            |                              | ●                            |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-750A24□ AAA                 | ●  | ●                        | ●                        | ●                        | ●                        | ●                        | ●                        | ●                 | ●                 |            | ●          |            |   |                       | ●           |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     |                     |                              |                              |                              | ●                      |  | ● |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-750A48□ AAA                 | ●  | ●                        | ●                        | ●                        |                          | ●                        | ●                        | ●                 |                   |            | ●          |            |   |                       | ●           |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     |                     |                              |                              |                              |                        |  | ● |  | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-1K2A24T ABA                 | ●  | ●                        | ●                        | ●                        |                          | ●                        | ●                        | ●                 |                   | ●          | ●          | ●          |   |                       | ●           |                              |             | ●                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                     |                              |                              |                              | ●                      |  | ● |  | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-1K2A42T ABA                 | ●  | ●                        | ●                        | ●                        |                          | ●                        | ●                        | ●                 |                   | ●          | ●          | ●          |   |                       | ●           |                              |             | ●                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                     |                              |                              |                              | ●                      |  | ● |  | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| MEB-1K2A48T ABA                 | ●  | ●                        | ●                        | ●                        |                          | ●                        | ●                        | ●                 |                   | ●          | ●          | ●          |   |                       | ●           |                              |             | ●                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                     |                              |                              |                              | ●                      |  | ● |  | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| <b>Open Frame Power Supply</b>  |    |                          |                          |                          |                          |                          |                          |                   |                   |            |            |            |   |                       |             |                              |             |                       |                           |   |          |            |              |                        |                         |                         |                       |                     |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-12V40WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  | ● |  | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-12V65WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-12V100WBA□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-12V100WBB□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-15V40WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-15V65WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-15V100WBA□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |   |  |
| PJT-15V100WBB□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |  |
| PJT-18V40WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |   |  |
| PJT-18V65WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |   |  |
| PJT-18V100WBA□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |   |  |
| PJT-18V100WBB□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |   |  |
| PJT-24V40WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |  |
| PJT-24V65WBA□                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |   |  |
| PJT-24V100WBA□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |   |  |
| PJT-24V100WBB□                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |  |
| PJT-27V150WBNA                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             | ●                            |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       |                     | ●                   |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |  |
| PJ-12V15W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |   |  |
| PJ-12V30W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |   |  |
| PJ-12V50W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |  |
| PJ-12V100W□□A                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |  |
| PJ-12V150W□□A                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            | ●   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |  |
| PJ-24V30W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |  |
| PJ-24V50W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |   |  |
| PJ-24V100W□□A                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |  |
| PJ-24V150W□□A                   | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |  |
| PJ-5V15W□NA                     | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |  |
| PJ-48V50W□NA                    | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |   |  |
| PJB-24V100W□□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WC□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WL□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WB□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | ○                     | ●                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WG□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             | ●                            |             | △                     | ○                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WH□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             | ●                            |             | △                     | ○                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V150WJ□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             | ●                            |             | △                     | ○                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V240W□□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             |                              |             | △                     | ○                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |
| PJB-24V300W□□A                  | ●  | ●                        | ●                        |                          |                          | ●                        | ●                        |                   |                   | ●          | ●          |            |   |                       |             | ●                            |             | △                     | ○                         | ●   |          |            | ●            |                        |                         |                         |                       | ●                   |                     |                              |                              |                              |                        |  |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   | ● |  |

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|                                | CE | CB Scheme to IEC 60950-1 | CB Scheme to IEC 62368-1 | CB Scheme to IEC 61558-1, IEC 61558-2-16 | CB Scheme to IEC 60335-1 | CB Scheme to IEC 61347-1, IEC 61347-2-13 | SIQ or TUV to EN 60950-1 | SIQ or TUV to EN 62368-1 | UL 60950-1 | UL 62368-1 | UL 508 | CSA C22.2 No. 107.1-01 | CSA C22.2 No. 60950-1 | CSA C22.2 No. 62368-1 | CSA C22.2 No. 250.13 | ATEX EN 60079-15 | CSA C22.2 No. 213 and ANS/ISA-12.12.09 | BSMI (Taiwan) | CCC (China) | EAC (Eurasian Customs Union) | KC (Korea) | PSE (Japan) | UKCA (United Kingdom) | RoHS Directive 2011/65/EU | RoHS Directive (EU) 2015/863 Compliant (EN 50581) | SEMI F47 | EN 61204-3 | EN 61000-3-2 | EN 61000-3-3 (Flicker) | EN 61000-6-1 (Immunity) | EN 61000-6-2 (Immunity) | EN 55014-2 (Immunity) | EN 55024 (Immunity) | EN 55011 Class B (Emissions) | EN 55032 Class A (Emissions) | EN 55032 Class B (Emissions) | EN 55014-1 (Emissions) |   |   |   |   |   |   |   |   |
|--------------------------------|----|--------------------------|--------------------------|--|--------------------------|--|--------------------------|--------------------------|------------|------------|--------|------------------------|-----------------------|-----------------------|----------------------|------------------|--|---------------|-------------|------------------------------|------------|-------------|-----------------------|---------------------------|---|----------|------------|--------------|------------------------|-------------------------|-------------------------|-----------------------|---------------------|------------------------------|------------------------------|------------------------------|------------------------|---|---|---|---|---|---|---|---|
| <b>Open Frame Power Supply</b> |    |                          |                          |  |                          |  |                          |                          |            |            |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             |                       |                           |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   |   |   |   |   |
| PJH-24V300WBB□                 | ●  | ●                        | ●                        | ●  | ●                        |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         | △   | ●        | ●          | ●            |                        | ●                       | ●                       | ●                     | ●                   | ●                            | ●                            | ●                            | ●                      |   |   |   |   |   |   |   |   |
| PJH-24V300WBC□                 | ●  | ●                        | ●                        | ●  | ●                        |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         | △   | ●        | ●          | ●            |                        | ●                       | ●                       | ●                     | ●                   | ●                            | ●                            | ●                            | ●                      | ● |   |   |   |   |   |   |   |
| PJH-36V300WBB□                 | ●  | ●                        | ●                        | ●  | ●                        |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         | △   | ●        | ●          | ●            |                        | ●                       | ●                       | ●                     | ●                   | ●                            | ●                            | ●                            | ●                      | ● | ● |   |   |   |   |   |   |
| PJH-36V300WBC□                 | ●  | ●                        | ●                        | ●  | ●                        |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         | △   | ●        | ●          | ●            |                        | ●                       | ●                       | ●                     | ●                   | ●                            | ●                            | ●                            | ●                      | ● | ● | ● |   |   |   |   |   |
| PJU-13V60W□A□                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               | ●           |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       | ●                   |                              |                              |                              |                        | ● | ● | ● |   |   |   |   |   |
| PJU-13V60W□B□                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               | ●           |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       | ●                   |                              |                              |                              |                        | ● | ● | ● | ● |   |   |   |   |
| PJU-27V60W□A□                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               | ●           |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       | ●                   |                              |                              |                              |                        | ● | ● | ● | ● |   |   |   |   |
| PJU-27V60W□B□                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               | ●           |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       | ●                   |                              |                              |                              |                        | ● | ● | ● | ● |   |   |   |   |
| PJL-48V200WBAA                 | ●  | ●                        | ●                        |  |                          | ●  | ●                        | ●                        |            |            |        |                        | ●                     | ●                     | ●                    |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            | ●            | ●                      |                         |                         |                       |                     | ●                            |                              |                              |                        |   | ● | ● | ● | ● |   |   |   |
| PJL-48V400WBAA                 | ●  | ●                        | ●                        |  |                          | ●  | ●                        | ●                        |            |            |        |                        | ●                     | ●                     | ●                    |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            | ●            | ●                      |                         |                         |                       |                     | ●                            |                              |                              |                        |   | ● | ● | ● | ● |   |   |   |
| PJL-48V600WLAA                 | ●  | ●                        | ●                        |  |                          | ●  | ●                        | ●                        |            |            |        |                        | ●                     | ●                     | ●                    |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            | ●            | ●                      |                         |                         |                       |                     | ●                            |                              |                              |                        |   | ● | ● | ● | ● |   |   |   |
| <b>DIN Rail Modules</b>        |    |                          |                          |  |                          |  |                          |                          |            |            |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             |                       |                           |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   |   |   |   |   |
| DRR-20A                        | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      | ●                | ●                                      |               |             |                              |            | ○           | ●                     | ●                         |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        | ● | ● | ● | ● |   |   |   |   |
| DRR-20N                        | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   | ● | ● | ● | ● |   |   |   |
| DRR-40A                        | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      | ●                | ●                                      |               |             |                              |            | ○           | ●                     | ●                         |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   | ● | ● | ● | ● |   |   |
| DRR-40N                        | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   | ● | ● | ● | ● |   |   |
| DRB-24V020ABA                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      | ●                | ●                                      |               |             |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| DRB-24V020ABN                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| DRB-24V040ABN                  | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| DRU-24V40ABN                   | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| DRU-24V10ACZ                   | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          | ●          | ●            |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| <b>Adapter</b>                 |    |                          |                          |  |                          |  |                          |                          |            |            |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             |                       |                           |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   |   |   |   |   |
| ADT-060A12AA B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               | ●           | ●                            |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   | ● | ● | ● | ● |   |
| ADT-060A12AB B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-150B12AA J-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            | ○           | ●                     | ●                         |   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A15AA B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A15AB B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A19AA B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A19AB B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-120A19AA M-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-150A19AA G-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A24AA B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-060A24AB B-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-090A24AA F-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-120A24AA F-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-150A24AA H-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |
| ADT-150C24AC K-A               | ●  | ●                        | ●                        |  |                          |  | ●                        | ●                        | ●          | ●          |        |                        |                       |                       |                      |                  |  |               |             |                              |            |             | ○                     | ●                         | ●   |          |            |              |                        |                         |                         |                       |                     |                              |                              |                              |                        |   |   |   |   | ● | ● | ● | ● |

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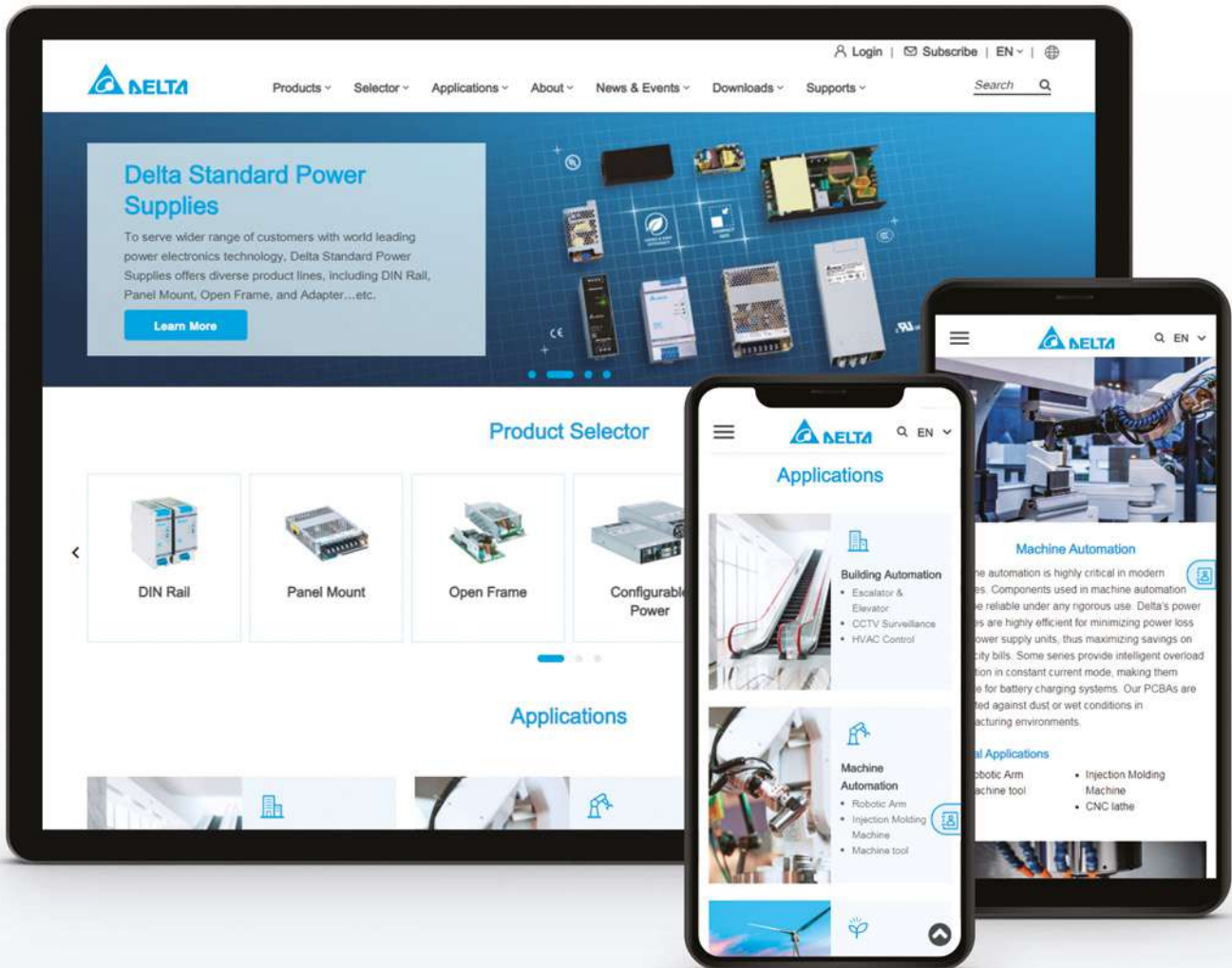


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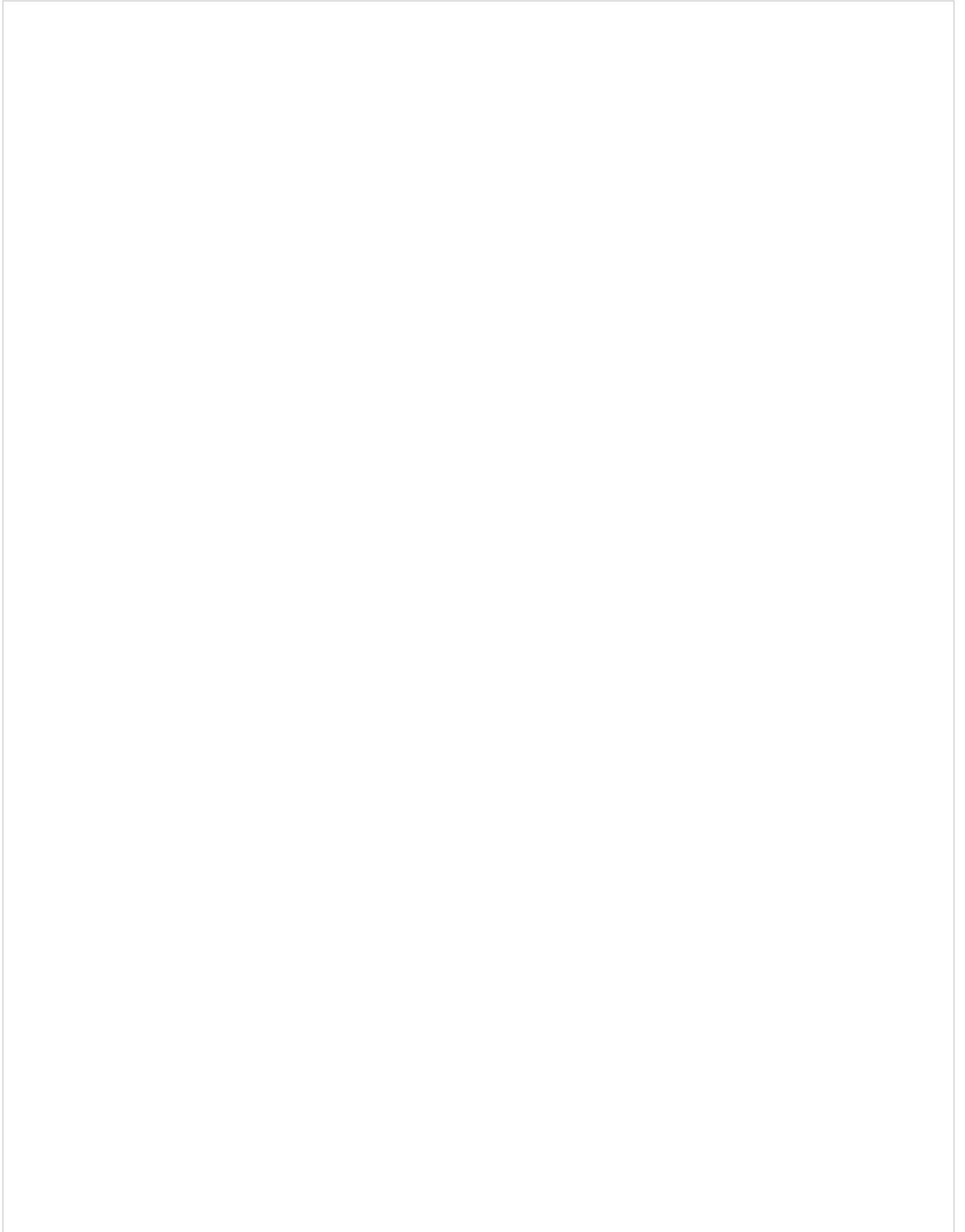
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November 2021 (Rev. 01) - All information and specifications are subjected to change without prior notice.