

Prisma IP™ 48 V DC Rectifier System

Description

The Prisma IP™ 48 V DC Rectifier System is specifically designed to operate as an integral part of a complete distributed power system. The Rectifier System Power Shelf is 2 RU high and mounts in a standard 19" equipment rack. Optional 23" rack mounts are also available. The power shelf has slots for up to 3 power rectifier modules. The rectifier module converts 120 or 230 V AC to a regulated DC voltage suitable for powering 48 V DC powered products. Blank power shelf modules should be installed in any unused slots.



A full complement of alarm and shutdown features has been incorporated into the rectifier module to protect the system in the event of a fault condition. The flexible feature set makes the 48 V DC Rectifier System an excellent choice for applications requiring modular ac-to-dc bulk intermediate voltages, such as distributed power.

Features

- Universal AC input
- 1200 W output (max) per rectifier module
- Power-factor correction (meets IEC 1000-3-2 requirements)
- Over-voltage and over-current protection
- Over-temperature warning and over-temperature protection
- Redundant parallel operation
- Active load sharing
- Remote sense
- Hot insertion/removal (hot plug)
- Power fail warning & fault alarm
- Front panel LED indicators
- UL 60950 Recognized, CSA C22.2 No. 60950-00 Certified, and VDE (IEC60950) Licensed (UL and c-UL Listings are provided at the shelf level)
- CE mark meets 73/23/EEC and 93/68/EEC directives



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Specifications

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Input Voltage	120 V AC nominal (85 to 135 V AC) 230 V AC nominal (150 to 264 V AC)
Input Frequency	47 to 63 Hz
Input Current	15A max @ 100 V AC 12A max @ 120 V AC 10A max @ 150 V AC 8A max @ 208 V AC
Input Current (peak)	40A max (25°C for all line conditions)
Efficiency	84% @ 100 V AC 88% @ 230 V AC
Output Voltage	52.0 V dc
Total Output Power	1200W max per rectifier module
Output Current	23A max @ 52V per rectifier module

Ordering Information

Description	Part Number
Prisma IP Power Shelf (w/19" rack mount brackets & DC cables)	754444
Prisma IP Power Rectifier Module	754445
Prisma IP Power Shelf Blank Module	754446
Prisma IP Power Shelf 23" mid-mount, rack-mount brackets	4001367



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