

# EAT•N

# Powerware

## NPR48 Network Power Rectifier



### Features

- Fast On-Line Replacement of Rectifiers (Hot-Swap)
- Automatic Set-up from Supervisory Module
- Intelligent microprocessor controlled
- High Power Density
- High Efficiency and Unity Power Factor
- Wide AC Supply Conditions
- Wide Output Voltage Range
- Constant Power or Constant Current Output Modes
- Field Serviceable Air Filter
- Compliance with International Standards

The Powerware NPR48 Series of rectifier modules is designed for a wide range of telecommunications applications including switching, wireless, and transmission.

The combination of leading high frequency switch mode technology with high reliability fan cooling makes the NPR48 a flexible, efficient, and reliable DC power source. It is designed for operation at up to 70°C (158°F) and under a wide range of AC power conditions.

The NPR48 Series rectifiers are up to 92% efficient with optimum performance available at typical load currents. These rectifiers also offer two output modes; either constant power or constant current.

Designed to operate with the SM60 or SM65 Series Supervisory Modules the NPR48 rectifier modules will provide years of cost-effective, and trouble free service for your network equipment.

# Technical Specifications

## Brief Technical Specifications

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AC Supply	240V, 50/60Hz (nominal)
Power Factor	> 0.99 (20 – 100% Output Current)
Efficiency	> 90% for 20 – 100% Output Current > 92% @ 50% Output Current
DC Output Voltage Range	40 – 58V
DC Output (maximum)	Constant power mode: 3000W (62.5A @48V) Constant current mode: 52A
Power Density	6 Rectifiers: 375A in 5U/19-inch (10W/cu.inch)
Operating Temperature Range	-25°C – +70°C [-13°F – +158°F] Maximum output current is derated above 50°C [122°F] or if the optional air filter is fitted
Cooling	Dual, temperature controlled, high reliability fans
Dimensions H,W,D	5U: 220mm [8.75"], 70mm [2.75"], 360mm [14.2"] overall
Weight	4.5kg [9.9lb]

## Certifications

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All products comply with International Standards. Contact your local Powerware DC representative for details on the specific product versions available with these safety and EMC approvals:

North America	FCC and UL (pending)
Europe	CE
Australia / New Zealand	C-tick

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In the interests of continual product improvement all specifications are subject to change without notice.