

EAT•N

Powerware

NPR24 Network Power Rectifier



Features

- Fast On-Line Expansion 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 NPR24 series of 24V rectifier modules is designed for a wide range of telecommunications network applications including wireless, radio transmission and switching.

The combination of leading high frequency switch mode technology with high reliability fan cooling makes the NPR24 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 Powerware NPR24 series rectifiers are up to 89% 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 Powerware SM60 or SM65 Series Supervisory Modules the NPR24 rectifier modules will provide years of cost-effective, and trouble free service for your network equipment.

Technical Specifications

Brief Technical Specifications

AC Supply	240V, 50/60Hz (nominal)
Power Factor	> 0.99 (20 – 100% Output Current)
Efficiency	> 88% 30-100% Output Current > 89% @ 50% Output Current
DC Output Voltage Range	20 – 29V
DC Output (maximum)	Constant power mode: 66.6A @ 26V Constant current mode: 60A @ 29V
Power Density	6 Rectifiers: 400A in 5U/19-inch
Operating Temperature Range	-25°C – +70°C [-13°F – +158°F]
Maximum output current is derated above 40°C [104°F] (62.5A @ 50°C [122°F])	
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

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
Europe	CE
Australia / New Zealand	C-tick

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