

NPR24 Network Power Rectifier



The Eaton 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 Eaton 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 Eaton SM60 or SM65 Series Supervisory Modules, the NPR24 rectifier modules will provide years of cost-effective, and trouble free service for your network equipment.

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
- Compliance with international standards



Powering Business Worldwide

Technical Specifications

Input

AC Supply	240V, 50/60Hz (nominal)
Power Factor	> 0.99 (20 – 100% Output Current)
Efficiency	> 88% 30-100% Output Current > 89% @ 50% Output Current

Output

DC Output	20 – 29V
Voltage Range	
DC Output (maximum)	Constant power mode: 1740W (66.6A@ 26V) Constant current mode: 60A @ 29V
Power Density	6 Rectifiers: 400A in 5U/19-inch

Environmental

Operating Temperature Range	-25°C – +70°C [-13°F – +158°F] Maximum output current is derated above 40°C [104°F] (66.6A @ 40°C [104°F])
Cooling	Dual, temperature controlled, high reliability fans

Mechanical

Dimensions H,W,D	5U: 220mm [8.75"], 70mm [2.75"], 360mm [14.2"] overall
Weight	4.5kg [9.9lb]

Certifications

North America	UL (USA, Canada), FCC Verification, CSA, IC
Europe	CE
Australia / New Zealand	C-tick, Telepermit

In the interests of continual product improvement all specifications are subject to change without notice. Performance ratings are valid with all other variables at Nominal. Specifications guaranteed over rated operating range.



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