

EAT•N

Powerware

APR48-3G Access Power Rectifier



Features

- Fast On-Line Expansion of Rectifiers (Hot-Swap)
- Automatic Set-up from Supervisory Module
- Intelligent microprocessor controlled
- Industry leading power density
- High Efficiency and Unity Power Factor
- Wide AC Supply Conditions
- Wide Output Voltage Ranges
- Constant Power Output
- Compliance with International Standards

The Powerware APR48-3G Access Power Rectifiers are designed specifically for network access applications such as cellular base stations, customer premises equipment and road-side cabinet installations.

The new generation 3G architecture of the APR48-3G Access Power Rectifier has improved space utilisation so rack space can be maximised for use with Telco equipment and not power equipment. The APR48-3G size has been reduced by approximately 50% with an increase of power output by 20%, over the previous model. This more than two-fold increase in its power density allows as little as 2U of rack space to be occupied by power.

The combination of industry leading power density and high frequency switch mode technology with high reliability fan cooling makes the APR48-3G a flexible, efficient, and reliable DC power source.

The APR48-3G is a high powered rectifier with 1800W output, it is designed for operation at up to 70°C (158°F) and under a wide range of AC power conditions.

These features make the APR48-3G perfectly suited to the wide variety of equipment and demanding environmental conditions found in network access applications.

The APR48-3G also has power factor correction and is up to 92% efficient, with optimum performance available at typical load currents. Together

these give the APR48-3G some of the lowest running costs for any DC power system of its type available.

Operating with the Powerware SC90 or SC200 series supervisory modules the APR48-3G rectifier modules will provide years of cost-effective, and trouble free service for your 48V network access equipment.

Available Q3 2006.

Technical Specifications

Brief Technical Specifications

AC Supply	APR48: 220/240V, 50/60Hz (nominal) 175-275V full output power up to 50°C [122°F]
Power Factor	>0.99 (50 – 100% Output Current)
Efficiency	92% (50 – 100% Output Current)
DC Output Voltage Range	48V: 43 – 57.5V
DC Output (maximum)	1800W @ 48V
Operating Temperature Range	-40°C – +70°C [-40°F – +158°F]
Output current is derated above 50°C [122°F] and below -10°C [14°F]	
Cooling	Temperature controlled, high reliability fan
Dimensions H,W,D	3U: 133mm [5.25"], 42mm [1.65"], 266mm [10.45"] overall
Weight	1.7kg [3.7lb]

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	UL (Pending), 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.

