

Intergy AR1248 Access Rectifier Modules

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 Ranges
- ▶ Constant Power Output
- ▶ Compliance with International Standards



The Intergy AR1248 Series of rectifier modules are designed specifically for network access applications such as customer premises equipment, and road-side cabinet installations.

The combination of leading high frequency switch mode technology with high reliability fan cooling makes the AR1248 a flexible, efficient, and reliable DC power source. Designed for operation at up to 70°C (158°F) and under a wide range of AC power conditions means that the AR1248 is perfectly suited to the demanding environments found in network access applications.

The Intergy AR1248 Series rectifiers are up to 90% efficient with optimum performance available at typical load currents, and have power factor correction. Together these give the AR1248 some of the lowest running costs for any DC power system of its type available.

Designed to operate with the Intergy SM40 Series Supervisory Module in an Intergy Access Power System (Fan Cooled Series) the AR1248 rectifier modules will provide years of cost-effective, and trouble free service for your network access equipment.

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► Brief Technical Specifications

AC Supply	220/240V, 50/60Hz (nominal) 185V-275V: full output up to 50°C [122°F] 150V-185V: full output up to 30°C [86°F]
Power Factor	>0.99 (50 – 100% Output Current)
Efficiency	90% (50 – 100% Output Current)
DC Output Voltage Range	48V:40 – 57.5V
DC Output (maximum)	1200W, 25A @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"], 13E: 66mm [2.6"], 280mm [11"] overall
Weight	1.9kg [4.2lb]

► Certifications

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

Region	Certification
North America	UL, FCC Verification, CSA, IC
Europe	CE
New Zealand / Australia	C-tick, Telepermit
Japan	VCCI

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