

Intergy R2948 Series

Features

- ▶ 48V Nominal Output
- ▶ Fast On-Line Replacement of Rectifiers (Hot-Swap)
- ▶ High Power Density
- ▶ High Efficiency and Unity Power Factor
- ▶ High Reliability Fan Assisted Cooling
- ▶ Wide DC Output Voltage Range
- ▶ Constant Power Output Capability
- ▶ Minimum Maintenance
- ▶ Compliance with International Standards



These 48V nominal Intergy Medium Power rectifier modules are designed specifically for communications applications. Combining patented switch-mode power technology with microprocessor control, the Intergy R2948 Series rectifiers are intelligent, flexible, reliable, and efficient DC power sources.

Designed to optimize performance at typical loads, these rectifiers have an efficiency of up to 92%, a broad tolerance to AC voltage changes and a near unity power factor. Intergy rectifiers can be replaced on-line with adjustments made automatically by the system supervisory module.

Reliable and robust, these rectifiers include fail-safe microprocessor backup circuitry, current limit protection with adjustable parameters, high temperature turn down and over-voltage protection.

Typical Applications

- ▶ Central Office Power Systems
- ▶ Cellular Switching Centres and Cell Sites
- ▶ Central Office Broadband/Multiplex

Intergy R2948 Rectifier Modules

► Brief Technical Specifications

For complete product specifications contact your local Intergy representative

AC Supply	220/240V, 50/60Hz (nominal)
Power Factor	>0.99 (30 – 100% Output Current)
Efficiency	>90% (30 – 100% Output Current)
DC Output Voltage Range	40 – 60V or 40 – 70V without CE compliance
DC Output (maximum)	2900W, 60A @ 48V, derates above 50°C [122°F]
Operating Temperature Range	-10°C — +50°C [+14°F — +122°F]
Cooling	Temperature controlled, high reliability fan
Dimensions H, W, D	6U: 246mm [9.7"], 28E: 142mm [5.6"], 325mm [12.8"]
Weight	11kg [24.2lb]

► 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
Canada	IC
Europe	CE
New Zealand / Australia	C-tick, Telepermit

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