

# Intergy R3048-10 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 Range
- ▶ Constant Power or Constant Current Output Modes
- ▶ Field Serviceable Air Filter
- ▶ Compliance with International Standards



The Intergy R3048 Series of rectifier modules is designed for a wide range of telecommunications applications including switching, wireless, and transmission.

The combination of leading high frequency switch mode technology with high reliability fan cooling makes the R3048 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 Intergy R3048 Series rectifiers are up to 92% 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 Intergy SM50 or SM60 Series Supervisory Modules the R3048 rectifier modules will provide years of cost-effective, and trouble free service for your network equipment.

# Intergy R3048-10 Rectifier Modules

## ► Brief Technical Specifications

*For complete product specifications contact your local Intergy representative*

AC Supply	240V, 50/60Hz (nominal)
Power Factor	> 0.99 (20 – 100% Output Current)
Efficiency	> 90% for 20 – 100% Output Current > 92% for 30 – 85% Output Current
DC Output Voltage Range	40 – 58V
DC Output (maximum)	Constant power mode: 3000W (62.5A @48V) Constant current mode: 52A
Power Density	6 Rectifiers: 375A in 5U/19-inch (10W/cu.inch)
Operating Temperature Range	-25°C – +70°C [-13°F – +158°F ] (Maximum output current is derated above 40°C (104°F) or if the optional insect screen is fitted)
Cooling	Dual, temperature controlled, high reliability fans
Dimensions H,W,D	5U: 220mm [8.75"], 70mm [2.75"], 326mm [12.8"] overall
Weight	5.3kg [11.7lb]

## ► 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
China	MII
Europe	CE
New Zealand / Australia	C-tick, Telepermit

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