

# Intergy R5848 Series

## Features

- ▶ Wide AC Input Voltage Tolerance
- ▶ Fast On-Line Replacement of Rectifiers (Hot-Swap)
- ▶ High Power Density
- ▶ High Efficiency and Unity Power Factor
- ▶ Fan Assisted Cooling
- ▶ Wide DC Output Voltage Range
- ▶ Constant Power Output Capability
- ▶ Adjustable Boost Capability
- ▶ Active Load Sharing
- ▶ Central Point Monitoring and Control
- ▶ Compliance with International Standards



The Intergy R5848 Series is designed specifically for high power communications applications. Designed to optimize performance at typical loads, Intergy R5848 Series rectifiers have efficiency greater than 92% and a broad tolerance to AC voltage changes. Intergy rectifiers can be replaced on-line with adjustments made automatically by the system supervisory module.

The R5848 Intergy rectifier offers full central point monitoring and control or can be operated as a stand-alone power supply with front panel adjustment.

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

## Typical Applications

- ▶ Central Office Power Systems
- ▶ Cellular Switching Centres
- ▶ Central Office Broadband/Multiplex
- ▶ Stand-alone 120A Power Supply
- ▶ Semi-Distributed/Facility Based Power Plants

# Intergy R5848 Rectifier Modules

► Brief Technical Specifications

For complete product specifications contact your local Intergy representative

AC Supply	R5848-55 (1Ø): 150-300V, 50/60Hz (nominal) Output current is derated below 186V R5848-11/15 (3Ø): 260-520V, 50/60Hz (nominal) Output current is derated below 323V
Power Factor	R5848-55: >0.99 (30-100% Output Current) R5848-11/-15: >0.95 (30-100% Output Current)
Efficiency	R5848-55: >92% (30-100% Output Current) R5848-11/-15: >93% (30-100% Output Current)
DC Output Voltage Range	R5848-11: 43 – 68V R5848-15/-55: 43 – 60V
DC Output (maximum)	5800W, 120A @ 48V
Operating Temperature Range	R5848-55: -25 °C — +70°C [-13°F — +158°F] Output current is derated above 45°C [113°F ] R5848-11/-15: -25 °C — +70°C [-13°F — +158°F] Output current is derated above 40°C [104°F ]
Cooling	Dual, temperature controlled, high reliability fans
Dimensions H, W, D	3U: 133mm [5.25"], 475mm [19" mounting], 340mm [13.4"]
Weight	15kg [33lb]

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