

Intergy IPS4000 Medium Power Systems with R3048-10 Rectifiers

Features

- ▶ 45U cabinet
- ▶ Pre-Configured Software
- ▶ High Power Density
- ▶ Fast On-Line Replacement of Rectifiers (Hot-Swap)
- ▶ High Efficiency and Unity Power Factor
- ▶ Surge Protection
- ▶ Parallel System Option
- ▶ Temperature Compensation
- ▶ Wide range of DC distribution options



48V up to 72kW (1500A)

The Intergy IPS 4000 series power system with R3048 rectifier modules is the ideal solution for medium power telecommunications applications requiring compact, efficient and flexible DC power supplies.

This 19" rack system is available with up to 24 compact Intergy R3048 rectifier modules that occupy only 20U of rack space. Multi-rack systems up to 378kW (7,800A @ 48V) are also available to special order. All systems include integral DC distribution modules and an Intergy SM50 or SM60 series supervisory module.

Typical applications are providing 48V standby power for wireless networks, transmission systems, local and central office switches and other large switch installations.

The Intergy IPS 4000 series power systems are pre-configured for fast installation and set-up. All

system settings are fully adjustable in software and stored in transferable, configuration files for repeatable one-step system set-up.

Typical Applications

- ▶ Wireless
- ▶ Transmission Terminals
- ▶ Local and Central Office Switching

Intergy IPS4000 Medium Power Systems with R3048-10 Rectifier Modules

► Brief Technical Specifications

For complete product specifications contact your local Intergy representative

AC Supply	3-Phase, 415V, 50/60Hz (nominal)
Power Factor	>0.99 (20 – 100% Maximum System Current)
Efficiency	>90% 20 – 100% Output Current >92% 30 – 85% Output Current
DC Output Voltage Range	40 – 58V
Maximum DC Output Power	72kW, 1500A @ 48V 378kW, 7800A @ 48V (multi-rack systems available to special order).
Operating Temperature Range	-25°C — +50°C (-13°F — 122°F) (Maximum output current is derated above 40°C (104°F) or if the optional rectifier insect screens are fitted)
Dimensions H, W, D	45U cabinet: 2100mm (82.7"), 600mm (23.6"), 600mm (23.6")
Weight	300kg (660lb) Typical configuration with 24 rectifier modules
Supervisory Module	SM50 or SM60 Series
AC Distribution Module	ACD with AC isolator switch and MOV surge protection
DC Distribution Module	See Options

► Options

DC Distribution Module (MCB)	DCM1600/2400: 16-way or 24-way, Miniature Circuit Breakers (MCBs) DCM1010/1610: 10-way or 16-way load, 4-way battery, Miniature Circuit Breakers (MCBs)
DC Distribution (Fuse)	DCF1000: 10-way, DIN00 HRC Fuses DCF0600/0601/0602: 6-way, DIN00, DIN1 or DIN2 HRC Fuses DCF0403: 4-way, DIN3 HRC Fuses
Low Voltage Disconnect (LVD)	LVD801: 1 x 800A (single LVD unit) LVD802: 2 x 800A (dual LVD unit) LVD1201: 1 x 1200A (single LVD unit) LVD1202: 2 x 1200A (dual LVD unit)
Rectifier Blank Panels	For unused rectifier positions
System Blank Panels	For unused system module positions
PowerManagerII	Remote control and monitoring software
DCTools	Configuration Software. Free download from www.powerware.com/downloads

► 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.