

Intergy IPS4000 Series

Features

- ▶ Flexible Modular Design
- ▶ Pre-Configured Supervisory Module
- ▶ Fast On-Line Replacement of Rectifiers (Hot-Swap)
- ▶ High Efficiency and Unity Power Factor
- ▶ Downloadable Configuration Files
- ▶ Designed to Maximize Battery Performance
- ▶ Wide AC Input Voltage Tolerance
- ▶ Easily Installed Cabinet
- ▶ Removable Cabinet Sides for Easy Installation
- ▶ Optional Parallel System Connection Kit
- ▶ Compliance with International Standards



The Intergy IPS 4000 Series is a high capacity 24V or 48V DC power system with output up to 1440A @24V or 1080A @ 48V. It is designed for large central office, tandem/toll, regional and gateway switches or similar DC power applications.

This system provides for up to 15+3 or 16+2 rectifier redundancy and systems may be paralleled for higher output. The Intergy IPS 4000 Series uses a flexible modular construction and has a wide range of options available to meet the requirements of any medium to large communications power application.

Typical Applications

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

Nominal Output Voltage	Rectifier Module Type	Number of Rectifier Modules	Power (kW) (with max. number of rectifier modules)	Maximim Output Current (with max. number of rectifier modules)
24V	R2924	up to 12	34.8kW	1440A @ 24V
48V	R2948	up to 18	52.2kW	1080A @ 48V

Intergy IPS4000 Series

► Brief Technical Specifications

AC Supply	310-476V, 3Ø+N+E
Power Factor	>0.99 (30 – 100% Output Current)
Efficiency	>90% (30 – 100% Output Current)
DC Output Voltage Range	24V: 20 – 35V 48V: 40 – 70V
Operating Temperature Range	-10°C — +50°C [+14°F — +122°F] (Output current is derated above 50°C [122°F])
Dimensions H, W, D	45U Cabinet: 2100mm [82.7"], 600mm [23.6"], 600mm [23.6"]
Weight	9 rectifier modules fitted: 279kg [615lb] typical configuration 12 rectifier modules fitted: 312kg [687lb] typical configuration 15 rectifier modules fitted: 345kg [760lb] typical configuration 18 rectifier modules fitted: 378kg [833lb] typical configuration
Supervisory Module	SM50 or SM60 Series
AC Distribution Module	ACD09 Series with AC isolator and MOV surge protection
System Modules	9 rectifier modules fitted: 22U rack space available 12 rectifier modules fitted: 16U rack space available 15 rectifier modules fitted: 10U rack space available 18 rectifier modules fitted: 4U rack space available

► Options

DC Distribution Modules	DCM1010: 10-way load, 4-way battery, Miniature Circuit Breakers (MCBs) DCM1600: 16-way, Miniature Circuit Breakers (MCBs) DCM1610: 16-way load, 4-way battery, Miniature Circuit Breakers (MCBs) DCM2400: 24-way, Miniature Circuit Breakers (MCBs) DCF0600: 6-way, DIN00/DIN1/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
Europe	CE
New Zealand / Australia	C-tick, Telepermit

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