# Intergy ILS41200 Series

### 48V up to 70kW, or parallel connected up to 742kW

The Intergy ILS 41200 Series power system is the ideal solution for large power telecommunications applications requiring compact, efficient and flexible DC power supplies.

The Intergy ILS 41200 Series is a standard configuration from the versatile Intergy Large Power System range. This 19" rack system is available with up to twelve Intergy 5800W rectifiers and an SM50 or SM60 series Intergy Supervisory Module.

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

The Intergy ILS 41200 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. Systems can be readily connected in parallel for higher output power.

### Typical Applications

▸ Wireless

▸ Transmission Terminals

▸ Local and Central Office Switching

| Nominal Output Voltage | Rectifier Module Type | Number of Rectifier Modules | Maximum Output Power (with 12 rectifier modules) | Maximim Output Current (with 12 rectifier modules) |
|---|---|---|---|---|
| 48V | R5848 | up to 12 | 69.6kW | 1440A @ 48V |

Up to 15,000A @ 48V with parallel connected systems

## POWERWARE®

# Intergy ILS41200 Series

## ▶ Brief Technical Specifications

*For complete product specifications contact your local Intergy representative*

| | |
|---|---|
| **AC Supply*** | 323-520V, 50/60Hz, 3Ø+N+E |
| **Power Factor*** | >0.99 (30 – 100% Output Current) |
| **Efficiency*** | >92% (40 – 80% Output Current) |
| **DC Output Voltage Range** | 43 – 60V |
| **Operating Temperature Range** | -10°C — +40°C [+14°F — 104°F (Output current is derated above 40°C [104°F]) |
| **Dimensions H, W, D** | 45U cabinet: 2100mm [82.7"], 600mm [23.6"], 600mm [23.6"] |
| **Weight** | 360kg [794lb] Typical configuration with 12 rectifier modules |
| **Supervisory Module** | SM50 or SM60 Series |
| **AC Distribution Module*** | ACD12 Series with AC isolator switch and MOV surge protection |
| **Total Harmonic Distortion*** | 5% |

*applicable to systems using R5848-55 single phase rectifiers

## ▶ Options

| | |
|---|---|
| **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 |
|---|---|
| North America | UL, NEBS Level 3 |
| Europe | CE |
| New Zealand / Australia | C-tick, Telepermit |

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

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