



INTERGY STANDARD POWER SYSTEMS INTERGY IMPS 310 Sub-rack

Features

- 19" 3U Sub-rack
- Pre-Configured Software
- High Power Density
- Fast On-Line Replacement of Rectifiers (Hot-Swap)
- High Efficiency and Unity Power Factor
- Parallel Systems Option

24V up to 1440W
48V up to 3480W

The Intergy IMPS 310 Sub-rack is the ideal solution for low power telecommunications applications requiring compact, efficient and flexible DC power supplies.

The Intergy IMPS 310 is a standard configuration from the versatile Intergy Mini System range. This 19" rack mount system is available with up to three Intergy Mini Systems rectifiers, an integral DC Distribution panel and an SM20 or SM30 Series Intergy Supervisory Module. For applications that require only basic control and alarm functions, a Basic Control Card option is also available.

Typical Applications

- Data Networks and IP Routers
- Customer Premises Equipment
- Local Loop Transmission Systems
- Wireless

Typical applications are providing 24V or 48V standby power for customer premises equipment, road-side terminals, data networks and IP routers.

The Intergy IMPS 310 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 (requires SM 30).

Nominal Output Voltage	Rectifier Module Type	Number of Rectifier Modules <i>(with 3 rectifier modules)</i>	Maximum Output Power <i>(with 3 rectifier modules)</i>	Maximum Output Current
24V	R524	up to 3	1440W	60A @ 24V
48V	R648	up to 3	1740W	36A @ 48V
	R1148	up to 3	3480W	72A @ 48V

Brief Technical Specifications

AC Supply	R524/R648: 110/240V, 50/60Hz (nominal) R1148: 220/240V, 50/60Hz (nominal)
Power Factor	>0.98 (30 – 100% Maximum System Current)
Efficiency	230V AC input: >89% (50 – 100% Maximum System Current) 120V AC input: >88% (50 – 100% Maximum System Current)
DC Output Voltage Range	24V: 22.5 – 30V 48V: 45 – 60V
Operating Temperature Range	-25°C – +70°C (-13°F – +158°F) <i>Maximum output power and current derate automatically at high temperatures and low AC input voltage.</i>
Dimensions H, W, D	3U: 133mm (5.25”), 275mm (19” mounting) overall
Weight	12kg (26lb) Typical configuration with 3 rectifier modules
Supervisory Module	SM20 Series (standard), SM30 or BCC (see Options)
DC Distribution Module	4-way load, 2-way battery, Miniature Circuit Breakers (MCBs)

● OPTIONS

Low Voltage Disconnect (LVD)	100A (SM20/SM30 only)
Supervisory Module Options	Upgrade SM20 to SM30 Series Supervisory Module Replace SM20 with Basic Control Card (BCC)
Cabinet	For desktop or wall mounting
Rectifier Blank Panels	For unused rectifier positions
Mini System PowerManager	Configuration and monitoring software (requires SM30 for some functions)
PowerManagerII	Remote control and monitoring
Other Options	Rack panels (ventilation and access) Master-slave configuration (SM30 only)

For complete product specifications contact your local Intergy representative. In the interests of continual product improvement all specifications are subject to change without notice.