

# Intergy Mini Power Systems

## Features

- ▶ 19" 6U or 3U Sub-rack
- ▶ Pre-configured software
- ▶ High power density
- ▶ Fast on-line replacement of rectifiers (Hot-swap)
- ▶ High efficiency and unity power factor
- ▶ Surge protection (optional)
- ▶ Parallel systems option



**IMPS225**



**IMPS325**



**IMPS525**

**24V up to 2400W**

**48V up to 5800W**

Intergy Mini Power Systems are the ideal solution for low to medium power telecommunications applications requiring compact, efficient and flexible DC power supplies.

These 19" rack mount systems are available with up to five Intergy Mini Power Systems rectifiers, an integral DC Distribution panel and an SM30 Intergy Supervisory Module. For applications that require only basic control and alarm functions, a Basic Control card option is also available.

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

Intergy Mini Power Systems are pre-configured for fast installation and set-up. All system settings are fully adjustable in software and stored in transfer-

able, configuration files for repeatable one-step system set-up.

Systems can be readily connected in parallel for higher output power. Up to 24 rectifier modules can be controlled from one Master and three slave SM30 Series Intergy Supervisory Modules.

## Typical Applications

- ▶ Data networks and IP routers
- ▶ Customer premises equipment
- ▶ Local loop transmission systems
- ▶ Wireless
- ▶ Transmission terminals

Nominal Output Voltage	Rectifier Module Type	IMPS225 with 2 rectifier modules		IMPS325 with 3 rectifier modules		IMPS525 with 5 rectifier modules	
		Output Power	Output Current	Output Power	Output Current	Output Power	Output Current
24V	R524	960W	40A@24V	1440W	60A@24V	2400W	100A@24V
48V	R648	1160W	24A@48V	1740W	36A@48V	2900W	60A@48V
48V	R748	1360W	29A@48V	2040W	42.5A@48V	3400W	71A@48V
48V	R1248	2320W	48A@48V	3480W	72A@48V	5800W	120A@48V

# Intergy Mini Power Systems

## ► Brief Technical Specifications

For complete product specifications contact your local Intergy representative

AC Supply	R524/R648:	110/240V, 50/60Hz (nominal)
	R748:	110V, 60Hz (nominal)
	R1248:	220/240V, 50/60Hz (nominal)
Power Factor	>0.99 (50 – 100% Output Current)	
Efficiency	230V AC input:	>89% (50 – 100% Output Current)
	120V AC input:	>88% (50 – 100% Output Current)
DC Output Voltage Range	24V:	22.5 – 30V
	48V:	45 – 60V
Operating Temperature Range	R524/R648:	-25°C – +70°C [-13°F – +158°F] (Output current is derated above 50°C [122°F])
	R748/R1248:	-10°C – +70°C [+14°F – +158°F] (Output current is derated above 50°C [122°F])
Dimensions H, W, D	IMPS225 and IMPS325:	3U/133mm [5.25"], 479mm [19"mounting], 275mm [10.8"] overall
	IMPS525:	6U/266mm [10.5"], 479mm [19"mounting], 275mm [10.8"] overall
Weight	IMPS225:	11kg [24lb ] Typical configuration with 2 rectifier modules
	IMPS325:	12kg [26lb ] Typical configuration with 3 rectifier modules
	IMPS525:	18kg [40lb ] Typical configuration with 5 rectifier modules
Supervisory Module	SM30	
DC Distribution Module	IMPS225:	8-way load, 2-way battery, Miniature Circuit Breakers (MCBs)
	IMPS325:	4-way load, 2-way battery, Miniature Circuit Breakers (MCBs)
	IMPS525:	10-way load, 2-way or 4-way battery, Miniature Circuit Breakers (MCBs)

## ► Options

Low Voltage Disconnect (LVD)	All models:	100A internal (not available with BCC option).
	IMPS525 only:	400/800/1200A single or dual external (with LVDCS controller).
	Contact your local Intergy representative for more information.	
AC Surge Protection	MOV surge protection (IMPS525 only)	
Supervisory Module Options	Replace SM30 with Basic Control Card (BCC). For further details contact your local Intergy representative.	
Cabinet	For desktop or wall mounting	
Rectifier Blank Panels	For unused rectifier positions	
DCTools	Configuration software. Free download from: <a href="http://www.powerware.com/downloads">www.powerware.com/downloads</a>	
PowerManagerII	Remote control and monitoring software	
Other Options	All models:	Rack panels (ventilation and access), Master-slave configuration (SM30 only)
	IMPS525 only:	AC isolation MCB, AC Metering

## ► 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, FCC Verification, NEBS Level 3
Canada	IC
Europe	CE
New Zealand / Australia	C-tick, Telepermit

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