

Intergy Access Power Systems

Features

- ▶ High reliability fan cooling
- ▶ 19" Sub-rack
- ▶ Modular 3U/6U and expandable option
- ▶ Up to 24 rectifier modules
- ▶ Pre-Configured Software
- ▶ High Power Density (150A/3U, 19")
- ▶ Multiple AC option (1Ø, 3Ø, 2Ø)
- ▶ Fast On-Line Replacement of Rectifiers (Hot-Swap)
- ▶ High Efficiency and Unity Power Factor
- ▶ AB Feeds option for DC Distribution
- ▶ Scalable System Solution



48V up to 28.8kW

The Intergy Access Power Systems (IAPS) Fan Cooled Series is the ideal solution for low power telecommunications applications requiring compact, efficient and flexible DC power supplies.

The IAPS is a 19" rack mount system available with 3, 6, 12, 18, or 24 Intergy Access Power System AR1248 Rectifiers, an integral DC Distribution panel and the SM40 Series Intergy Supervisory Module. GSM cellular (including text messaging), standard modem and TCP/IP communications options are available.

Typical applications are providing standby power for customer premises equipment, road-side terminals, data networks and IP routers. The IAPS Fan Cooled Series is 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

- ▶ Data Networks and IP Routers
- ▶ Customer Premises Equipment
- ▶ Access Nodes
- ▶ Wireless
- ▶ 3G
- ▶ Broadband

System Type	Rectifier Module Type	Number of Rectifier Modules	Maximum Output Power (kW)	Maximum Output Current
IAPS 300F	AR1248	Up to 3	3.6	75A @ 48V
IAPS 600F	AR1248	Up to 6	7.2	150A @ 48V
IAPS 1200F	AR1248	Up to 12	14.4	300A @ 48V
IAPS 1800F	AR1248	Up to 18	21.6	450A @ 48V
IAPS 2400F	AR1248	Up to 24	28.8	600A @ 48V

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► Brief Technical Specifications

AC Supply	220/240V, 50/60Hz (nominal) 185V-275V: full output up to 50°C [122°F] 150V-185V: full output up to 30°C [86°F]
Power Factor	>0.99 (50 – 100% Output Current)
Efficiency	230V AC input: >91% (50 – 100% Output Current)
DC Output Voltage Range	48 V: 40-57.5V
Operating Temperature Range	-40°C – +70°C [+40°F – +158°F] (Output current is derated above 50°C [122°F] and below -10°C [14°F])
Dimensions H, W, D	IAPS 300F: 3U, 19" mounting, 300mm [11.8"]* IAPS 600F: 6U, 19" mounting, 300mm [11.8"]* IAPS 1200F (typical): 15U, 19" mounting, 300mm [11.8"]* IAPS 1800F (typical): 18U, 19" mounting, 300mm [11.8"]* IAPS 2400F (typical): 21U, 19" mounting, 300mm [11.8"]* * Additional clear space is required for exhaust air (all models) and busbars (IAPS1200F and larger systems).
Supervisory Module	SM40
DC Distribution Module	IAPS300F: 10-way Miniature Circuit Breakers (MCB's) Other models: 23-way Miniature Circuit Breakers (MCB's) Custom MCB or fuse options are available on request. Distributions are configurable for battery, load and AC connections.
Communications	RS232 direct or connect to external PSTN or GSM (modem not included). TCP/IP with Intergy Site Gateway Module.

► Options

Low Voltage Disconnect (LVD)	100A internal IAPS300F series 150A internal IAPS600F series 400 and 800A options for IAPS 1200F, 1800F and 2400F series
Rectifier Blank Panels	For unused rectifier positions
DCTools	Configuration software. Free download from: www.powerware.com/intergy/downloads
PowerManagerII	Remote control and monitoring software
Other Options	External Surge Protection

► 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, CSA, IC
Europe	CE
New Zealand / Australia	C-tick, Telepermit
Japan	VCCI

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