

specifications

The power system shall occupy 1 RU of space. The power system shall accommodate a modular rectifier capable of supplying from 1,250W to 3,750W. The rectifier module shall support 48 VDC output voltage. The power supply chassis shall accommodate up to three interchangeable rectifier modules. The rectifiers shall be hot pluggable and shall load share to meet versatile power needs. The chassis and panel combination shall operate at 93% efficiency.



technical information – chassis

Dimensions:	1.7"H x 19.0"W x 16.3"D (43.1mm x 482.6mm x 413.9mm), 1 RU
Input voltage:	90 – 180 VAC Input Frequency: 47 – 63 Hz
Weight:	Chassis – 9 lbs. (4.1kg.), Rectifier – 6 lbs. (2.7kg.)
Mounting:	Mounts to standard EIA 19" rack
Packaging:	Includes mounting screws and installation instructions

technical information – rectifier

Dimensions:	1.63"H x 4.0"W x 14.25"D (41.3mm x 101.7mm x 361.9mm)
Mounting:	Mounts in managed or unmanaged chassis

key features and benefits

Low profile design	Offers high power and efficiency in a 1 RU size
48 VDC power	Scaleable from 1,250W to 3,750W to provide consistent powering across a wide range of needs
Increased reliability	93% efficiency and > 1,000,000 MTBF with NEBS Level 3 compliance contributes to trouble-free network powering
Low heat dissipation	Emits 35% less heat than other power supplies meaning less worries for cooling in tight telecommunications rooms
Network interface options	SNMP monitoring is available for better telemetry and deeper control of power system parameters with the managed chassis or by adding the NIC option to the unmanaged chassis
Fourteen replaceable fuses	Provides protection for up to fourteen individual DPoE™ Power Patch Panels to be connected to a single chassis

applications

The DPoE™ Power System is a powerful, efficient, compact solution for powering the DPoE™ Power Patch Panels. Because it is also highly reliable, this power system is an attractive solution for enterprise data center, embedded applications or telecommunications needs.

When used in VoIP applications, the DPoE™ Power System can be used in conjunction with battery back-up management capabilities to provide guaranteed up-time service for mission critical services. Hot swappable power supplies allow rectifiers to be managed without taking down running applications over the network. A country specific power cord is required for each rectifier installed in the chassis. Fuses must be ordered separately.

DPoE™ Power System

1 RU unmanaged chassis:	DPOEPWRCU
1250W power rectifier:	DPOEPWRR1250
7.5A replacement fuses (8)	DPOEPWRF7.5

DPoE™ Power Patch Panel

24-port 1 GbE panel:	DPOE24U1XG
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DPoE™ Compact 8 Midspan

8-port power midspan:	DPOE8S2XG
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DPoE™ Compact 8 Midspan Accessories

Wall mount bracket for DPOE8S2XG: DPOEWM8B

1 RU shelf for DPOE8S2XG: DPOESHELF

Modular 8-port passive module*: DPOEPL8BU

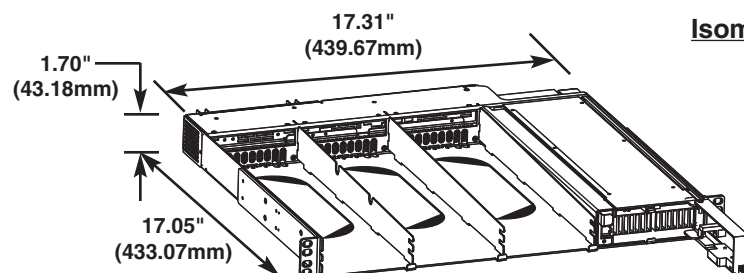
*Requires Mini-Com® Jacks, such as Panduit parts CJ688TGIW, CC5E88IW, CMDSAQLCZBL or CMBRS485BU.

DPoE™ 120W Power Supply

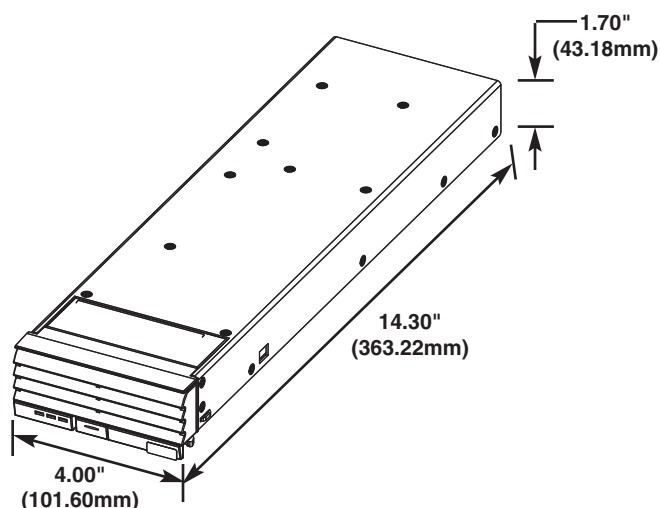
120W supply:	DPOEPWRB120Y
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Power Cords

U.S.A.:	CORD-S15
Japan:	CORD-J15
Australia:	CORD-A
Europe:	CORD-E
United Kingdom:	CORD-U



Isometric (Front) View
DPOEPWRR1250



DPoE™ Power System Test Data

Environmental Testing	
Operating Temperature (ambient)	-40° to 122°F (-40° to 50°C)
Operating Humidity	5% to 95%, non-condensing
Storage Temperature	-40° to 185°F (-40° to 85°C)
Storage Humidity	5% to 95%, non-condensing
Operating Altitude	-200' to 8,000' (-61.0m to 2,438m)
Regulatory Compliance	
Designed to meet all international requirements	CE, FCC
Electromagnetic Compatibility	
Designed to meet all international requirements	EN55022, EN55024
Safety Approvals	
Designed to meet all international requirements	GR-1089 CORE

Dimensions are in inches (Dimensions in parentheses are metric)

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

Panduit CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

Panduit EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

Panduit SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

Panduit JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

Panduit LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.333.777.6000

Panduit AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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