

Magnum XTPS-Series External DC-DC Power Supply Units



Product Description: The XTPS-Series of DC-DC Converters connect to a DC power source (such as -48VDC and 24VDC) and convert it for use with GarrettCom's Magnum networking products that normally use an external power supply connected into an AC power source. This alternative DC power source allows Magnum Ethernet networking products to be used in applications such as telephone central offices and ISP communication centers that require DC power for high-availability. The DC input voltage is normally -48VDC nominal but models for 24VDC are also available. See "Ordering Information" below.

Installation Instructions: The XTPS units have a metal case with ventilation slots on the sides. One end has an input connector for "+" and "-" and "GND". To connect, insert the stripped wires from the DC power source into insulated metal-gripping female ports. (This connection can be detached using a small screwdriver to release the grip). The other end has attached a 6ft. cable with a DC plug at the end that mates with the DC power jack (center positive, 2.5mm diameter) on the Magnum networking product. There is a 1A input fuse inside of the unit for protection, and a solid-state electronic DC-DC converter component. Wide range of DC-DC converter components are used internally to provide various range of XTPS models with different input and output ratings.

Note: *The GND should be hooked up first. Before connecting to Terminal block of -48VDC, 24VDC, always use a digital voltmeter to measure the output voltage of the power supply and determine the lead which is more "+ve potential". The more "+ve" voltage lead from 48V or -48V supply must be connected to the post labeled "+". Ensure that each lead is securely tightened.*

UL Requirements

The following must be adhered to in order to conform to UL requirements:

1. For power and earthing wiring, use minimum 22 AWG size wiring.
2. Equipment for use in a Restricted Access Location only.
3. XTPS power supplies must be connected to a DC source with a 5A fuse in the supply circuit. The XTPS power supplies are supplied by a limited power source.
4. Centralized DC Power Source cable securement.

Operating Environment:

Ambient Temperature: 32-160 °F; (0-70 °C); Storage: -40 °C to 85 °C;
 Ambient Humidity: 5%-95% (non-condensing)

Agency Approvals

UL 60950 Third Edition & IEC 60950 Third Edition Emissions meet
 FCC Part 15, Class A

Packaging:

Enclosure: High strength metal
 Dimensions: [3.5 x 2.0 x 1.0] in. [8.9 x
 5.1 x 2.5] cm.
 Weight: 6 oz (175 g) including 6 ft. power
 cord

Warranty

Three years Made in USA

Ordering Information

Model Number	Input	DC Output	Watts	For use with the following Magnum products:
XTPS12-48vdc	(48v, 0.25A)	12v, 0.5A	up to 12	H50, H40, H80A, H90A Hubs, TF14 MCs, 14E MCs, ST80
XTPS12-24vdc	(24v, 0.5A)	12v, 0.5A	up to 12	H50, H40, H80A, H90A Hubs, TF14 MCs, 14E MCs, ST80
XTPS14-24VDC	(24v, 0.5A)	14v, 0.5A	up to 14	TB14 Media Converters
XTPS5-48vdc	(48v, 0.25A)	5v, 1A	up to 10	P80 Switches, DS80 Hubs, and 15E Media Converters
XTPS5-24vdc	(18-36v)	5v, 2A	up to 10	P80 Switches, DS80 Hubs, and 15E Media Converters

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GarrettCom, Inc.

47823 Westinghouse Dr. • Fremont, CA 94539 • PH: (510) 438-9071 • FAX: (510) 438-9072
 Email: mktg@garrettcom.com • Web: www.GarrettCom.com