



Rack Mount Power Supply

-48 Volt Power Source for TrangoLINK Giga™ Series Licensed Microwave Backhaul Products

AC TO DC SWITCHING POWER SUPPLY

Highlights

- Rack Mount 316 Watt -48 Volt Power Supply
- Ultra High Reliability of 1,000,000 hrs
- Front Panel Terminal Block to support 4 Devices
- UL, CUL, TUV, CB, and CE Approved
- Over Temp, Over Current, Over Voltage Protection

Description

The PSUPPLY-1U-48 is an AC to DC Switching Power Supply designed specifically as a power source for TrangoLINK Giga™ licensed microwave backhaul equipment, however this high efficiency, heavy duty supply can be used for any application that requires a -48 volt power source. The compact rack mountable design is lightweight and low profile for space critical environments, making it easy to stack multiple units for redundant network power configurations. The unit incorporates an auto on/off cooling fan and front panel on/off switch.

Applications

- Rack Mount Power Supply for Trango Microwave Radios
- Source for other Telco equipment requiring -48VDC

Specifications

Model Number	PSUPPLY-1U-48
Input Voltage Range	88- 132 VAC/176-264 VAC Switch Selectable
Inrush Current	15A @ 115 VAC, 30A @ 230 VAC
Output Voltage	-48VDC +/- 1%
Output Current	6.6A Maximum
Efficiency	83% min at 230V full load
OverCurrent Protection	7.0 Amps, Hiccup Mode, Auto Recover
OverVoltage Protection	-55V to -64.8 V
Short Circuit Protection	Continuous, Auto-recover
OverTemp Protection	>85 deg C Auto-recover

Environmental

Operating Temperature	0 to +50deg C @ 6.6A, +70deg C @ 3.3A
Storage Temp	-20 to +85deg C, 5%-95% RH non-condensing
Operating Humidity	5% to 90 % RH non-condensing
Cooling	Built-in DC Fan with auto on/off

Safety and EMC/EMI

Safety Standards	UL60950-1
EMC/EMI Standards	EN55022 Class B EN61000-3-2 Class A EN61000-4-2,3,4,5,6,8,11 EN55024
RoHS Compliance	Yes

Reliability

MTBF	> 1,000,000 Hrs per MIL-HBK-217F at 30 deg C
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Mechanical

Size	1.75 x 19 x 4 inches (4.45 x 48.26 x 10.16 cm)
Weight	5.8 lbs/2.63 kg
Input Connector	Three terminal NA Type B style
Input Cable length	6 ft
Output	8 position terminal Block for 4 devices
Mounting	Std Rackmount holes
Front Panel Ground	#4 Lug
Primary Fuse	User Replaceable T8AL250V

