EPOW-54-240

Hardened Power Supply 54V 240W



Product Highlights

Reliable Power Delivery

- Active built-in PFC for max power distribution efficiency
- Constant voltage across output terminal

NEMA TS2

- Complies with NEMA TS1 & TS2 electrical and temperature requirements for traffic control equipment
- High impact, thermal shock, and electrical noise resistance

Hardened-Grade

- Wide operating temperature range from -40 to 75°C (-40 to 167°F)
- Fanless operation
- IP67 total dust protection and water resistance

Easy Install

- AC and DC cables pre-attached
- Mounting holes to install outdoors and/or in cabinets

Overview

With a wide operating temperature range of -40 to 75°C (-40 to 167°F) and built with a fan-less and water resistant design, EtherWAN's EPOW-54-240 is a 54VDC hardened power supply designed to operate in the most extreme environments. The EPOW-54-240 has a 240W total power output and built in over-voltage and short-current protection, making it a ideal and reliable solution for powering hardened PoE switches and other applications.

Ordering Information

Model	
EPOW-54-240	Hardened Power Supply, 100-277 VAC Input; NEMA-TS2 Rated; 54VDC, 240W/4.4A, with Open Wire (US Plug)

Hardware Specifications

Output

Voltage	54 VDC
Precision	+/- 0.5V
Current	4.4A
Power	240W max. @ up to 167°F (75°C)
Line Regulation	1%

Input

Voltage	100-277VAC
Current	2.56A@110VAC, 1.28A@220VAC
Frequency	50/60Hz
Inrush Current	9A@230V
Power Factor (Typ)	>0.95 at full load
Full Load Efficiency	>88%

Protection

Short Circuit	SCP / Over-Voltage Protection
Over-Voltage	<305VAC

Physical

Casing Material	Aluminum
IP Rating	IP67 (Dust Tight and Water-resistant)
Dimensions	246 x 68 x 39mm (W x D x H) 9.69" x 2.68" x 1.54"
Weight	2.86lbs (1.3kg)
Installation Type	Wall/Panel mounting

Environmental

Operating Temp.	-40 to 167°F (-40 to 75°C)
Storage Temp.	-40 to 185°F (-40 to 85°C)
Relative Humidity	10% to 95% (non-condensing)
Operation Humidity	20-90%
Vibration Resistance	10~500Hz, 2G 10Min/cycle, 1hr each XYZ axis

Regulatory

Standard	EN 61347-1 EN 61347-2-13 EN 62493
EMC Emission	EN 55015 EN 61000-3-2
EMC Immunity	EN 55015 EN 61000-4-2,3,4,5,6,8,11

Warranty

Length	3 Years
Details	www.etherwan.com/support/warranty-policy

Dimensions

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