

EPOW-54-600

Hardened Power Supply 54V 600W



Product Highlights

→ Reliable Power Delivery

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

→ Hardened-Grade

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

→ NEMA TS2

- Complies with NEMA TS1 & TS2 electrical and temperature requirements for traffic control equipment
- High impact, thermal shock, and electrical noise 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 an aluminum fanless design, EtherWAN's EPOW-54-600 is a 54V 600W hardened power supply designed to operate in the most extreme environments. The EPOW-54-600 has a 600W power budget and built in over-voltage and short-current protection, making it an ideal and reliable solution for powering hardened PoE switches and other applications.

Ordering Information

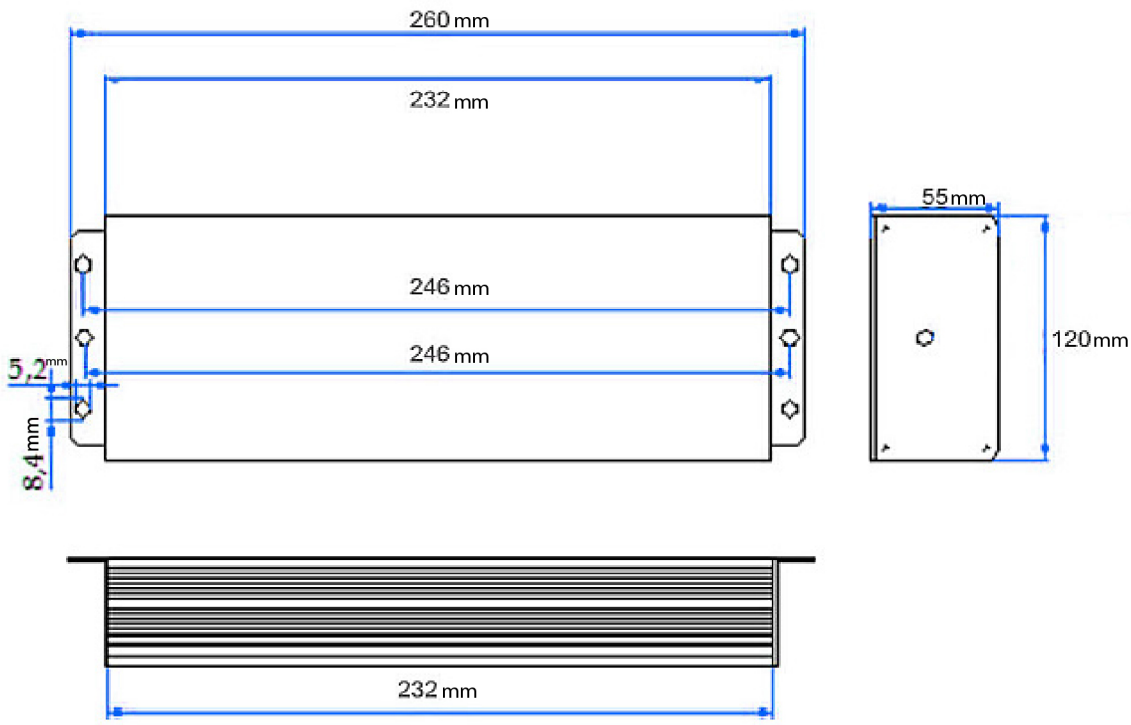
Model

EPOW-54-600	Hardened Power Supply, 100-277 VAC Input; NEMA-TS2 Rated; 54VDC, 600W/11.1A, with Open Wire (US Plug)
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Hardware Specifications

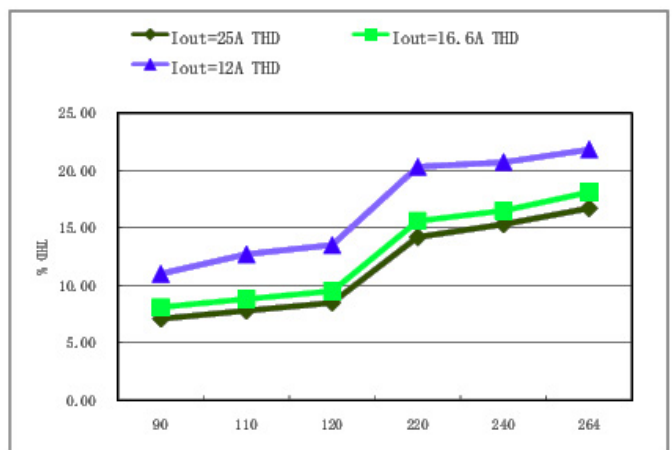
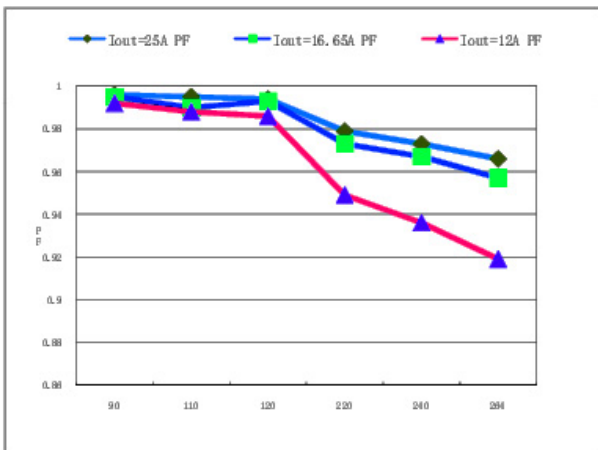
Output		+
Voltage	54 VDC	
Precision	+/- 0.5V	
Current	11.1A	
Power	600W max. @ up to 167°F (75°C)	
Line Regulation	1%	
Input		+
Voltage	100-277VAC	
Current	0.64A@110VAC, 0.32A@220VAC	
Frequency	50/60Hz	
Inrush Current	9A@230V	
Power Factor (Typ)	>0.95 at full load	
Full Load Efficiency	>88%	
Protection		+
Short Circuit	SCP / Over-Voltage Protection	
Over-Voltage	<305VAC	
Physical		+
Casing Material	Aluminum	
IP Rating	IP67 (Dust Tight and Water-resistant)	
Dimensions	260 x 120 x 55mm (W x D x H) 10.2" x 4.72" x 2.17"	
Weight	7.04lbs (3.2kg)	
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 axes	
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



Power Factor & THD Characteristics

2. Power Factor & THD Characteristics



Efficiency and Load of (100VAC/230VAC)

3. Efficiency & Load of (110VAC / 230VAC)

