

Canopii Gigabit PoE Power Supply

Power Supply with integrated 24Watt PoE injector - CA-POE-48V24WG

Orderinformation

Article code: CA-POE-48V24WG

Description

High efficiency switch mode power supply with integrated PoE+ that provides excellent performance and flexibility to deliver 24 Watt compliant with 802.3af/at standard PoE to network components with a Gigabit interface. The power supply is specially designed to provide PoE to devices without introducing extra injectors or cables and is suitable for inhome or office use.

The power supply has a minimal efficiency of 83% at full load and delivers 24 Watt continuous power on the PoE. There is a short circuit protection on the output short ground in place that prevents the powersupply to be damaged and will auto-reset after a short circuit. Additionally it has a fuse to protect the input. The LED indicator at the front shows status on the AC power.

Features

- » 24Watt continuous PoE Power
- » 83% min at Full Load, 90Vac ~ 264Vac Input Voltage
- » Short Circuit Protection
- » Surge protection on data input ports
- » PoE 802.3af and 802.3at compliant
- » Safety Standard : CE, TUV EN60950-1
- » EMI/EMS : CE, EN55032 Class B
- » LED indicators to show power in- and output status
- » Ease of installation
- » 2 x Gigabit ethernet interfaces (support 100/1000 Mbps)
- » Compact size
- » Automatic detection and protection of non-standard ethernet terminals



Front



Bottom

Specifications

1. INPUT

- 1.1 Input voltage range: 80VAC - 264VAC
- 1.2 Normal voltage range: 100VAC - 240VAC
- 1.3 Input frequency range : 47-63Hz
- 1.4 Rated input range: 50/60Hz
- 1.5 Max. input ac current: 1.0 Amp Max. at full load condition
- 1.6 Average efficiency under: 83%
- 1.7 No-load power (at 115VAC/230VAC) less than 0.1W

2. OUTPUT

- 2.1 DC output voltage: +48V
- 2.2 Minimum load current: 0A
- 2.3 Rated load current: 0.5A
- 2.4 Rated output power: 24W
- 2.5 Total output regulation: 45.6V-50.4V
- 2.6 Ripple and noise: 480mVp-p maximum
- 2.7 Turn on delay time: 3 seconds max. at 115VAC to 240VAC & full load
- 2.8 Over current protection: 120%-200%
- 2.9 Short circuit protection: the input power will decrease when the output rail short, the power supply shall no damage, and shall be self-recovery when te fault condition is removed.

3. DIMENSIONS

- 3.1 L 84 x W 43,5 x H 29,5 mm

4. RELIABILITY REQUIREMENTS

- 4.1 Burn in: the product must undergo 100% before shipment to ensure the quality.
- 4.2 The MTBF is at least 30.000 hours at 25 °C max and normal input condition.

5. EMI/EMS STANDARDS

- 5.1 CE-standard: EN55032

6. SAFETY STANDARDS

- 6.1 Dielectric strength (Hi-pot): primary to secondary 3000CAV / 10mAMax / 60 seconds
- 6.2 CE/CS-standard: EN60950-1
- 6.3 Shell material: PC - 120 °C/temperature resistance 120 °C.