



60W 3-in-1 Single Port Media Converter IEEE802.3bt Compliant Power Injector



Features

- Compliant with IEEE802.3bt/at/af Standard
- 60W POE Power
- Extends Ethernet to 200 Meters with copper, (can be even more with Fiber)
- Standard SFP Module Input
- Converts SFP to POE (converts fiber to copper)
- Gigabit Compatible
- 4 Pair Powering +3,6,4,5 / - 1,2,7,8
- Non-Vented Case
- Limited Power Source
- Full Protection OVP, OCP
- Single Source 4 Pair Power Current Sharing
- 1 Year Warranty

Applications

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points
- Security Cameras
- IP Print Servers
- WiMAX® Access Points

Safety Approvals

- cUL/UL 60950-1 & 62368-1
- CE

Mechanical Characteristics

- Length: 252.1mm (9.93in.)
- Width: 176mm (6.93in.)
- Height: 78mm (3.07in.)
- Weight: 1.7Kg (3.75lbs)

Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation ¹	
			Min.	Max. ²	Line	Load
POE60S-1BT-R	IEC320(C14)	56V	<20mA	1.07A	+56VDC +1V/-2V (54-57VDC)	

Notes:

1. Voltage measured within 2" of the output RJ45 connector on data pairs 3,6(+) and 1,2(-) at 25°C
2. Combined output on data pairs and spare pairs. Otherwise 535mA on data pairs 3,6(+) 1, 2(-) and spare pairs 4,5(+) 7,8(-)

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

INPUT:**AC Input Voltage Range**

90VAC to 264VAC

AC Input Voltage Rating

100 to 240VAC

AC Input Current

2.0A (RMS) max for 90VAC

1.0A (RMS) max for 240VAC

Leakage Current

3.5mA max @ 254VAC/50Hz

AC Inrush Current

40A (RMS) max for 115VAC

80A (RMS) max for 230VAC

OUTPUT:**Total Output Power**

60W @40°C

Output Ripple

500mV max @25°C

Efficiency

75% (typical) at max load

Hold-up Time

16mS min. 120VAC/60Hz max load

ENVIRONMENTAL:**Temperature**

Operation -10°C to +45°C @60W
 +45°C to +55°C @30W

Humidity 5 to 90%

EMI

FCC Part 15 Class A

EN55032/22 Class A

EN50121-4

IEC 62236-4

Immunity

ESD: IEC61000-4-2. Level 3

RS: IEC61000-4-3. Level 3

EFT: IEC61000-4-4. Level 3

Surge: IEC61000-4-5. Level 3

CS: IEC61000-4-6. Level 3

PFMF: IEC61000-4-8 Level 5

Voltage Dips IEC61000-4-11

Harmonic: IEC61000-3-2 Class A

Insulation Resistance

Pri. to Sec.: >10M OHM 500VDC

Pri. to F.G.: >10M OHM 500VDC

Dielectric withstand(HI-POT) test

Pri. to Sec.: 4242VDC for 1min 10mA

Pri. to F.G.: 2121VDC for 1min, 10mA

FEATURES:**Over Current Protection**

1350mA max

Over Voltage Protection

120VDC max

LED Indicators**Led #1**

Blinking GREEN – Unit is “ON” Active with No Load

Solid GREEN – Unit has detected a Valid IEEE802.3at/IEEE802.3af Load/IEE802.3bt

Solid RED – Unit is in Over Load Condition or Unit has detected an Invalid Load

Led #2

Solid GREEN = AC Power Good

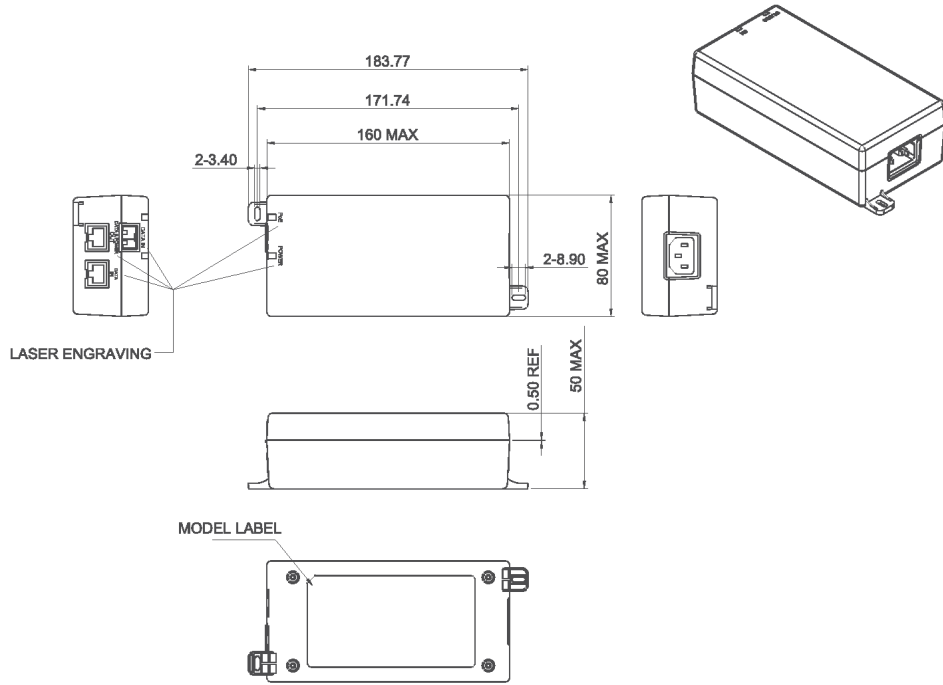
Input Connector

IEC320 inlet 3 pin(C14)

Output Connection

+pins 3,6,4,5 / -pins 1,2,7,8

Dimension Diagram Unit:mm



PRELIMINARY

**Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.