



15.4W Single Port Power-over-Ethernet IEEE802.3af Compliant Power Injector



Features

- Compliant with IEEE802.3af Standard
- Non-Vented Case
- Small case size
- 1 Year Warranty
- Gigabit data rates
- Full Protection OCP, OVP
- Low Cost
- DOE Level VI Compliant
- Australia GEMS Registered

Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras

Safety Approvals

- cUL/UL 60950-1
- IEC/EN 60950-1
- AS/NZS 62368.1
- CE
- cUL/UL 62368-1
- IEC/EN 62368-1
- LPS

Mechanical Characteristics

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)
- Height: 27mm (1.1in)
- Weight: 100g (3.5oz.)

Output Specifications

Model	Data Speed	DC Output Voltage	Load		Regulation		Ripple & Noise ¹ p-p(max)
			Min	Max	Line	Load	
POE15M-1AF-R ²	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-R ³	2.5G	56V	10mA	0.275A	54-57V		200mV

Notes:

1. Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20Mhz(tested by oscilloscope).
2. Special order item. Minimum order quantity applies.
3. Shielded RJ45

INPUT:

AC Input Voltage Range
90 to 264VAC

AC Input Voltage Rating
100 to 240VAC

AC Input Current
0.55A (RMS) max for 90VAC
0.35A (RMS) max for 240VAC

Leakage Current
0.5mA max @ 254VAC/50Hz

AC Input Frequency
47-63Hz

AC Inrush Current
30A (RMS) max for 115VAC
60A (RMS) max for 230VAC

Hold-up time:
16mS min at max load and 120VAC, 60Hz

ENVIRONMENTAL:

Temperature

Operation	-20°C to +50°C
Non-operation	-20°C to +75°C
Humidity	5 to 90%

EMC

Complies with FCC Part 15 Class B
Complies with EN55032 Class B
Complies with AS/NZS CISPR 32 Class B

Immunity

ESD:EN61000-4-2.	Level 3
RS:EN61000-4-3.	Level 2
EFT:EN61000-4-4.	Level 2
Surge:EN61000-4-5.	Level 3
CS: EN61000-4-6.	Level 2
Voltage Dips	EN61000-4-11
Harmonic:	EN61000-3-2 Class A

Isolation Test

Primary to Secondary: 3000VAC for 1 second
10mA

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

FEATURES:

Over Voltage Protection
<120V – Latching

Over Current Protection
≤450mA

Short Circuit Protection
300-450mA

Indicator

Blinking GREEN – Unit is “ON” Active with No Load
Solid GREEN – Unit has detected a Valid IEEE802.3af Load
Blinking YELLOW/Solid GREEN – Unit has detected an Invalid Load
Blinking Green/Solid YELLOW – Unit is in Over-Load Condition

Input Connector

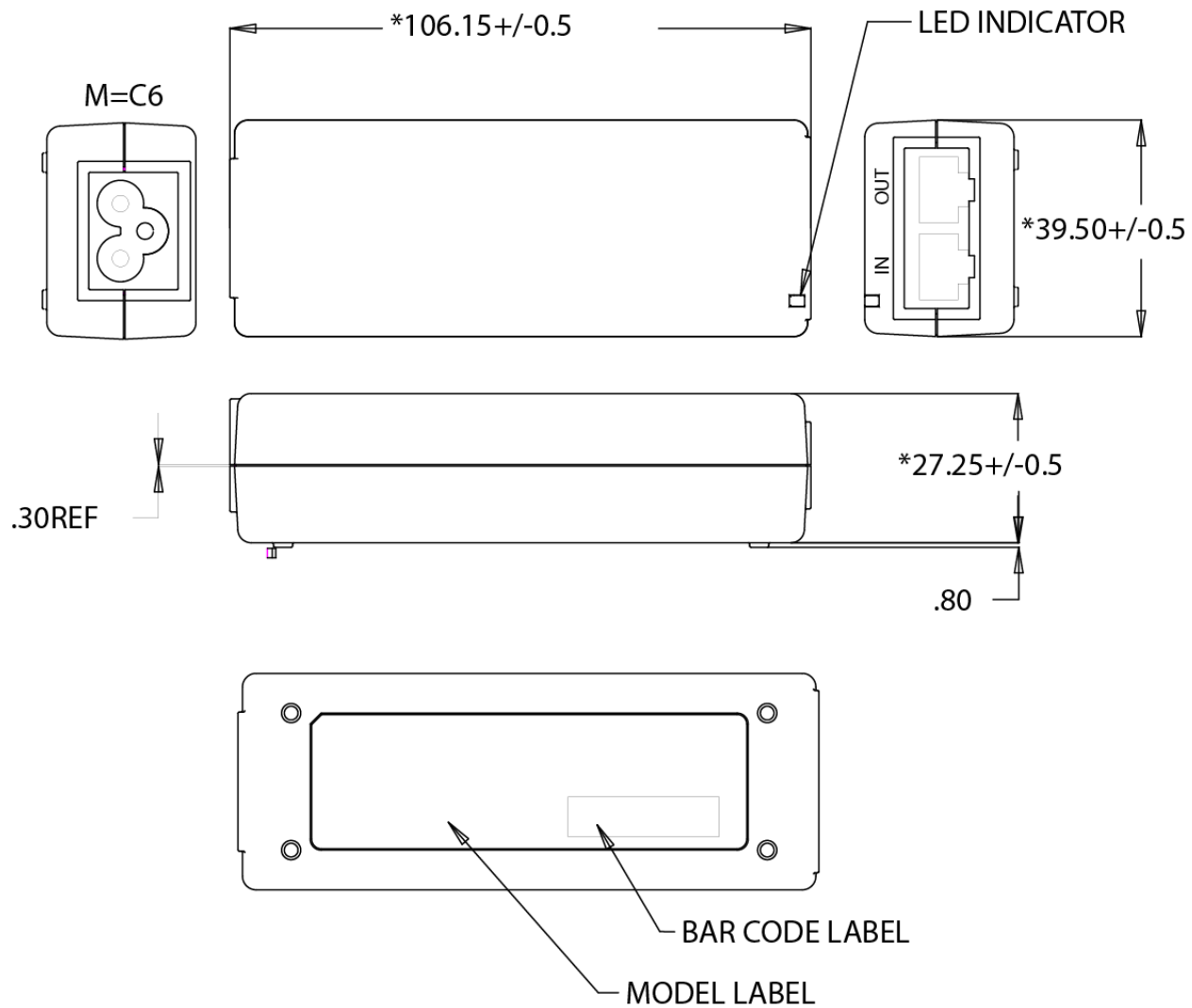
IEC6320-C6

Data in/Output Connector

RJ45
POE15M-1AFE-R: Earth grounded shielded RJ45 connectors

Output Connection

+pin 3,6 / -pins 1,2



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

Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

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.