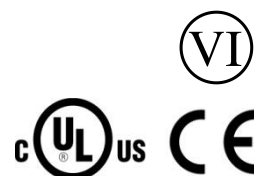




## 15.4W Single Port Power-over-Ethernet IEEE802.3af Compliant Power Injector



### 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

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras

### Safety Approvals

- cUL/UL 60950-1
- IEC/EN 60950-1
- 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 <sup>1</sup> p-p(max)
			Min	Max	Line	Load	
POE15M-1AF-R <sup>2</sup>	1G	56V	10mA	0.275A	54-57V		200mV
POE15M-1AFE-R <sup>3</sup>	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

**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: &gt;10M OHM 500VDC

**FEATURES:****Over Voltage Protection**

&lt;120V – Latching

**Over Current Protection**

≤450mA

**Short Circuit Protection**

300-450mA

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

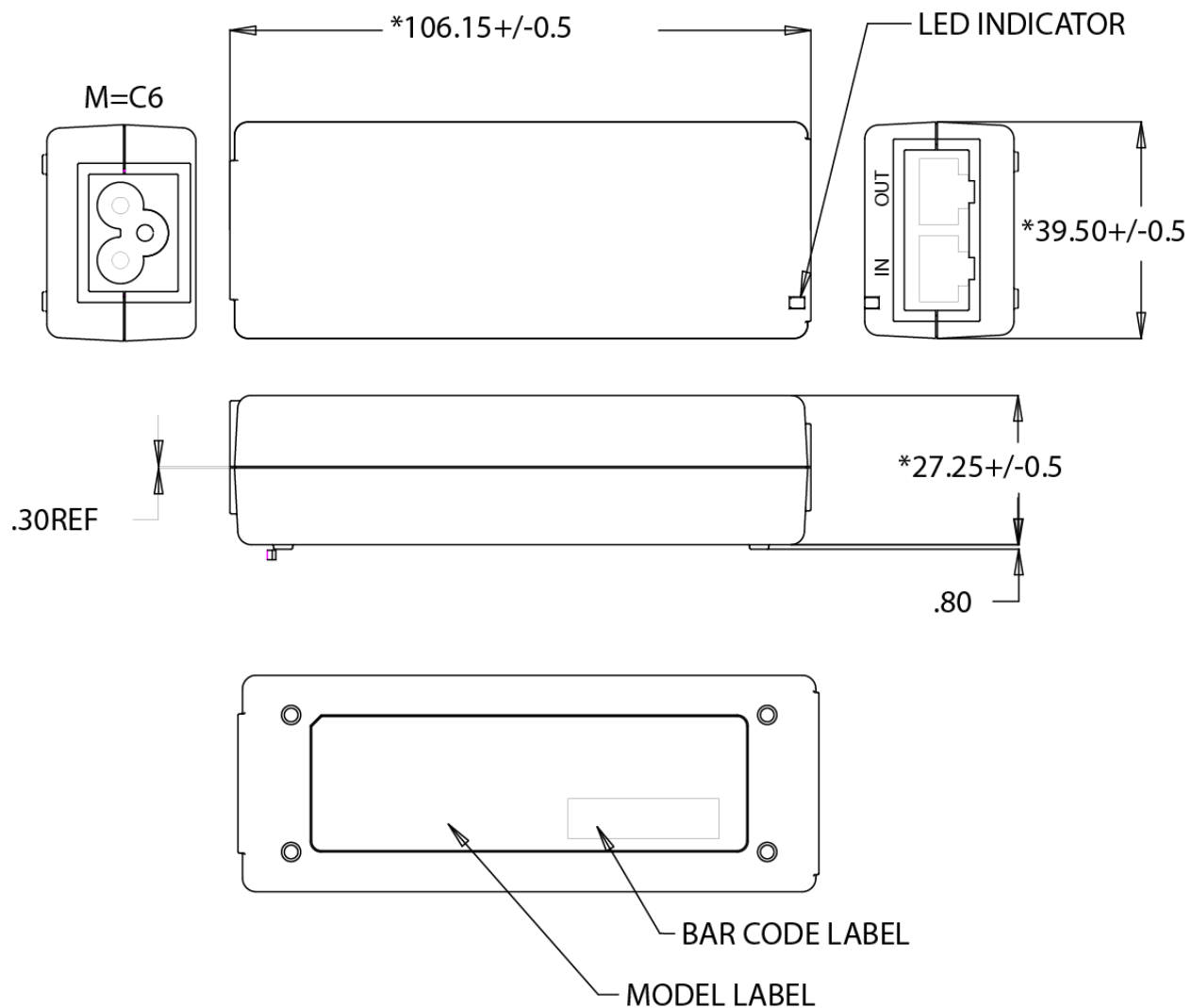
IEC6320-C6

**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**

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Fremont, CA 94538  
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[www.phihong.com](http://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.