



## 15W Single Port Power-over-Ethernet Midspan 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

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Cameras

### Safety Approvals

- cUL/UL 60950-2
- IEC/EN 60950-2
- CE
- LPS

### Mechanical Characteristics

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

### Output Specifications

Model	Input Connector	DC Output Voltage	Load		Regulation		Output Power
			Min	Max	Line	Load	
POE15W-1AF-R <sup>1</sup>	C8 <sup>2</sup>	56V	0A	0.275A	54-57V		15.4W

Notes:

1. Consult factory for availability.
2. C8 is polarized, however non-polarized cables can be used. The internal circuit does not require polarization.

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

**INPUT:****AC Input Voltage Range**

90 to 264VAC

**AC Input Voltage Rating**

100 to 240VAC

**AC Input Current**

0.5A (RMS) max for 90VAC

0.35A (RMS) max for 240VAC

**Leakage Current**

0.25mA max @ 254VAC 50Hz

**AC Input Frequency**

47-63Hz

**AC Inrush Current**

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

**OUTPUT:****Total Output Power**

15.4W

**Ripple and Regulation**

200mV max @25C, 115VAC, 60Hz &amp;

230VAC, 50Hz

**Hold-up time:**

16mS min at max load and 120VAC, 60Hz

**ENVIRONMENTAL:****Temperature**

Operation -20°C to +50°C

Non-operation -25°C to +70°C

Humidity 5 to 90%

**EMC**

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

**Immunity EN50082-1**

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/Current/Short Circuit Protection**

The output is equipped with short-circuit protection and overload protection as per the IEEE802.3af specification and conforms to UL60950-2. The output can be shorted permanently without damage.

**Indicator**

Solid Green: unit has detected a valid IEEE802.3af load

Blinking Green: Power "ON" active with no load

Blinking Green/Solid Red: Over load condition

Blinking Red/ Solid Green: Invalid load

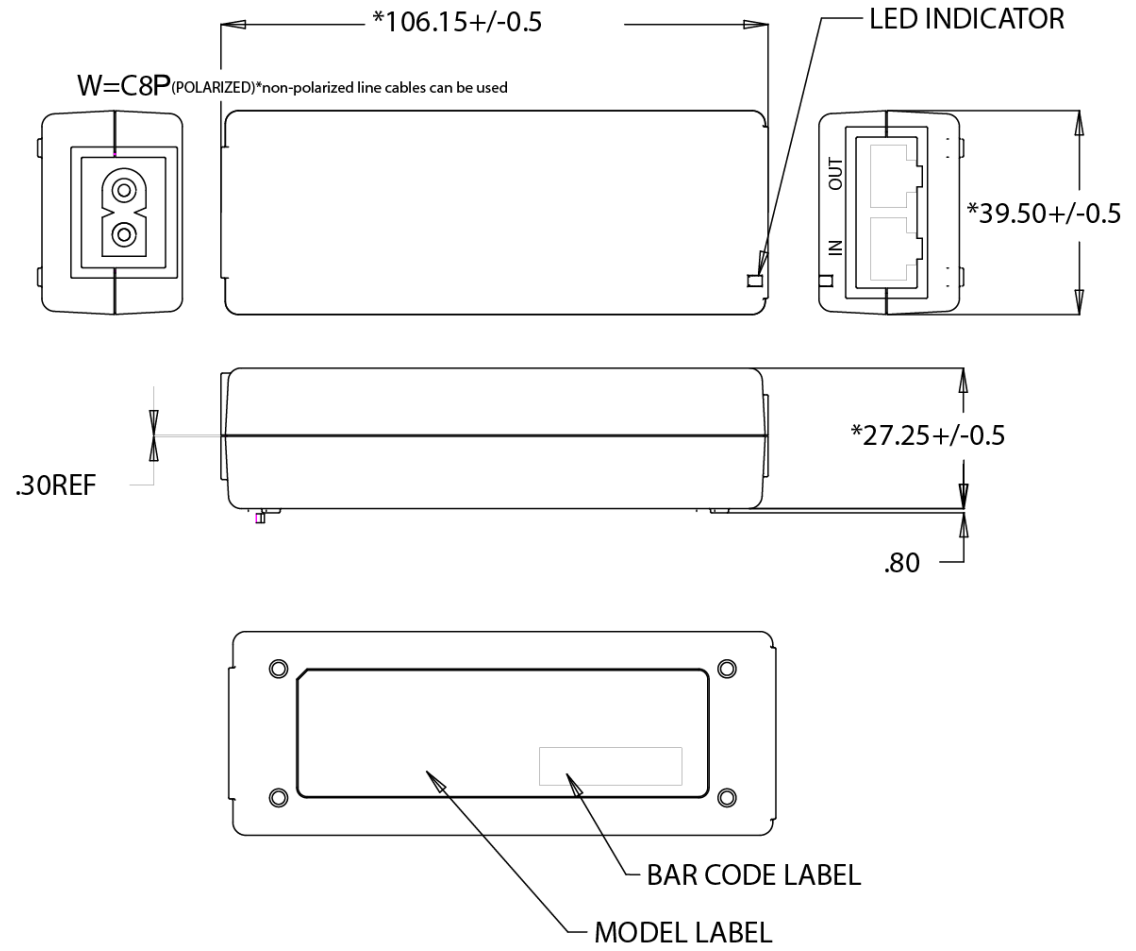
**Data in/Output Connector**

RJ45

E option = 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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NOTE; This model has/The models in this product 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.