



Single Port 16W Power over Ethernet Interchangeable Wall Plug* Adapter Power Injector



*Plugs sold separately

Features

- Fully Compliant with IEEE802.3af
- Non-Vented Case
- Field Interchangeable AC Clips*
- 1 Year Warranty
- Lowest Cost
- 10/100Mb Base-T Data rates (standard model)
- Gigabit Option (AFG Model)
- Full Protection OCP, OVP
- Diagnostic LEDs

Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Points
- Security Cameras
- IP Print Servers

Safety Approvals

- cUL/UL
- SAA
- CE
- C-Tick

Mechanical Characteristics

- Length: 80mm (3.15in)
- Width: 45mm (1.77in)
- Height: 33mm (1.29in)
- Weight: 95g (3.35oz.)

Output Specifications

Model	DC Output Voltage	Load		Output Power	Regulation	
		Min.	Max.		Line	Load
POE16R-1AFG ¹	56V	0A	0.275A	15.4W	54-57VDC	

Notes: (1) Gigabit compatibility

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
90 to 264VAC

AC Input Voltage Rating
100 to 240VAC

AC Input Current
0.8A (RMS) max for 90VAC
0.5A (RMS) max for 240VAC

Leakage Current
0.25mA max @ 254VAC 60Hz

AC Input Frequency
47-63Hz

AC Inrush Current
15A (RMS) max for 115VAC
20A (RMS) max for 230VAC

OUTPUT:
Total Output Power
15.4W

Ripple and Regulation
150mV max

Efficiency
75% (typical) at max load, 120VAC 60Hz

Transient O/P Voltage Protection
60V max at switch on/off, any AC line phase

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

ENVIRONMENTAL:**Temperature**

Operation	0 to +40°C
Non-operation	-25 to +65°C
Humidity	5 to 90%

EMC

FCC Part 15 Class B
EN55022 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: >10M OHM 500VDC

FEATURES:**Over Voltage/Current, Short Circuit Protection**

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

Hold-up Time

16mS min. 120VAC and max load

Indicator

Solid Green: Valid IEEE802.3af load detected and connected "ON"
Blinking Green/Red: Invalid load connected
Solid LED: Fault detected

Data in/Output Connector

RJ45

Output Connection (Standard Model)

+pin 4,5 / -pins 7,8

Output Connection (Gigabit Model)

+pin 3,6 / -pins 1,2

Warranty

1 Year

Interchangeable AC Clips

(Sold Separately)

RPA:	US	RPI:	India
RPB:	Brazil	RPK:	UK
RPC:	China	RPN:	Argentina
RPE:	Europe	RPS:	Australia
RPH:	Korea	RPX:	C8

Dimensional Diagram Unit: mm

