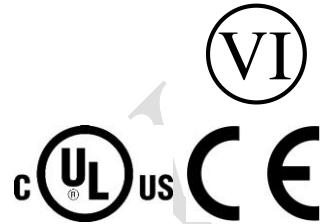




## 60W Single Port Multi -Gig Passive Power over Ethernet Midspan



### Features

- Compliant with Phihong Proprietary 12.5K Detection
- Non-Vented Case
- 4 Pair Powering +3,6,4,5 / - 1,2,7,8
- Single Source 4 Pair Power Current Sharing
- Limited Power Source
- Full Protection OVP, OCP
- Broken Wire Detection
- Gigabit Compatible
- 1 Year Warranty

### Applications

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

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 140mm (5.51in.)
- Width: 65mm (2.55in.)
- Height: 36mm (1.42in.)
- Weight: 0.25Kg (0.47lbs)

### Output Specifications

Model	AC Input	Data Rate	DC Output Voltage	Load		Regulation <sup>1</sup>	
				Min.	Max. <sup>2</sup>	Line	Load
POE60U-560-R <sup>3</sup>	3 Wire C14	10/100/1000	56V	10mA	1.07A	+56VDC +1V/-3V (57-53VDC)	
POE60U-560E-R	3 Wire C14	10/100/1000	56V	10mA	1.07A	+56VDC +1V/-3V (57-53VDC)	
POE60U-560-2-R	3 Wire C14	10/100/1000/2500	56V	10mA	1.07A	+56VDC +1V/-3V (57-53VDC)	
POE60U-560-5-R	3 Wire C14	10/100/1000/2500/5000	56V	10mA	1.07A	+56VDC +1V/-3V (57-53VDC)	
POE60U-560-X-R	3 Wire C14	10/100/1000/2500/5000/10000	56V	10mA	1.07A	+56VDC +1V/-3V (57-53VDC)	

Notes:

1. Voltage measured within 2" of the output RJ45 connector on data pairs 3,6(+) and 1,2(-)
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(-)
3. Unshielded RJ45 jack

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.

## POE60U-560 Characteristics

WWW.PHIHONG.COM

### INPUT:

#### AC Input Voltage Range

90VAC to 264VAC

#### AC Input Voltage Rating

100 to 240VAC

#### AC Input Current

2.0A (RMS) max for 900VAC

1.2A (RMS) max for 240VAC

#### Leakage Current

3.5mA max @ 254VAC/50Hz

#### AC Inrush Current

40A (RMS) max for 115VAC

80A (RMS) max for 240VAC

### OUTPUT:

#### Total Output Power

60W @40C

30W @50C

15W@60C

#### Output Ripple

200mV max @25°C

#### Efficiency

80% (typical) at max load,120VAC 60Hz

#### Hold-up Time

10mS min. 120VAC/60Hz max load

### ENVIRONMENTAL:

#### Temperature

Operation -10°C to +60°C for 60W

Non-operation -20°C to +65°C

Humidity 5 to 90%

### EMI

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

### Isolation Test

Primary to Secondary: 4242VDC for 1min

10mA

Primary to Field Ground: 2121VDC for 1min,  
10mA

### Immunity

ESD: IEC61000-4-2. Level 3

RS: IEC61000-4-3. Level 3

EFT: IEC61000-4-4. Level 2

Surge: IEC61000-4-5. Level 3

CS: IEC61000-4-6. Level 2

Voltage Dips IEC61000-4-11 Class 3

Harmonic: IEC61000-3-2 Class A

### Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

Primary to Field Ground: >10M OHM

500VDC

### FEATURES:

#### Over Current Protection

Output #1(OUT) <650mA

Output #2(OUT) <650mA

Output #1 and #2 Combined(OUT) <1300mA

#### Over Voltage Protection

Meets UL requirements

#### Short Circuit Protection

Output can be shorted permanently without  
damage

#### LED Indicators

*Blue Solid* - Power good and output “ON”

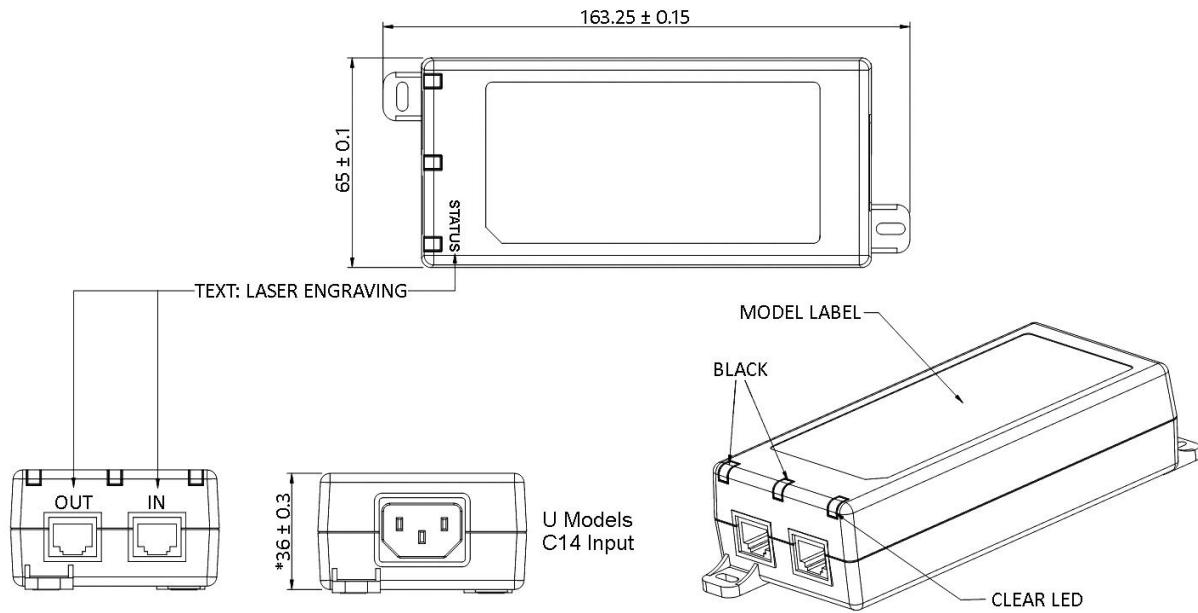
#### Input Connector

IEC320 inlet 3 pin

#### Output Connection

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

Dimension Diagram Unit: mm



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

Phihong USA Corporation  
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Fremont, CA 94538  
Telephone: (510) 445-0100  
[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.

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Authorized Distributor

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