



## Low Cost 30W Passive Power over Ethernet Injector



### Features

- Gigabit Data rates
- Level VI Efficiency
- Very Low leakage
- Non-Vented Case
- Low Cost
- Full Protection OCP, OVP
- 1 Year Warranty

### Applications

- IP Telephones (W Model Recommended)
- Wireless Network Access Points
- Blue Tooth Access Point
- Security Camera
- IP Print Servers
- Wimax APs

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 140mm (5.51in)
- Width: 65mm (2.55in)
- Height: 36mm (1.42in)
- Weight: 225g (0.44lb.)

### Output Specifications

Model Number	Output Voltage	Output Current	Input Connector
POE29U-560-R	56V	0.54A	3 Wire C14

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

90 to 264VAC

**AC Input Voltage Rating**

100 to 240VAC, 47-63Hz

**AC Input Current**

0.8A (RMS) maximum for 120VAC

0.5A (RMS) maximum for 240VAC

**Leakage Current**

350uA maximum @ 264VAC 60Hz

**AC Inrush Current**

30A (RMS) maximum for 115VAC

60A (RMS) maximum for 240VAC

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

30W

**Output Ripple**

560mVp-p

**No Load Power Consumption**

<0.1W

**Efficiency**

Meets Level VI Efficiency Requirements

**Hold-up Time**

10mS min. 120VAC and maximum load

**ENVIRONMENTAL:****Temperature**

Operation -20 to +50°C

Non-operation -25 to +70°C

Humidity 20 to 90%

**EMC**

Complies with FCC Class B

Complies with EN55032 Class B

**Isolation Test**

Primary to Secondary: 3000VAC for 1 minute 10mA

Primary to F.G.: 1500VAC for 1 minute (U models)

Output to F.G.: 1500VAC (U models)

**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

**Insulation Resistance**

Primary to Secondary: >10M OHM  
500VDC

Primary to Field Ground: >10M OHM  
500VDC

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

Outputs equipped with short circuit protection and overload protection.

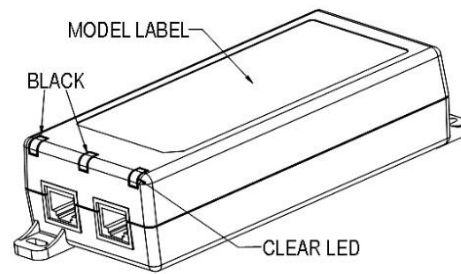
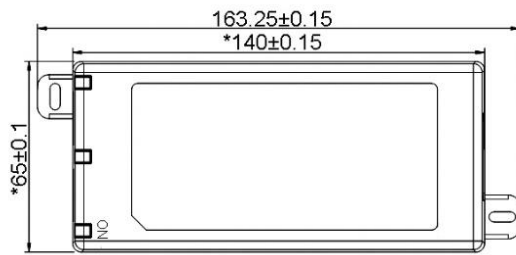
The output can be shorted permanently without damage

**Input Connector**

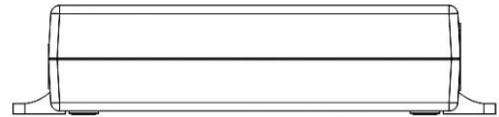
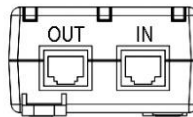
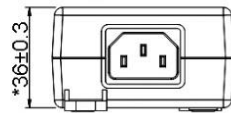
IEC320 C14

**Output Connection**

+pin 3, 6 / -pins 1, 2



AC Input for U-Models



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

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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.