



## 30W Passive Power over Ethernet Adapter Lowest Cost IEEE802.3at Power



### Features

- Compliant with the IEEE802.3at Standard
- Level V Efficiency
- Very Low leakage
- Non-Vented Case
- Very Low Cost
- 2 Wire or 3 Wire Options
- 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 |
|--------------|----------------|----------------|-----------------|
| POE31U-240   | 24V            | 1.25A          | 3 Wire C13      |
| POE31U-560   | 56V            | 0.54A          | 3 Wire C13      |
| POE31W-240   | 24V            | 1.25A          | 2 Wire C8       |
| POE31W-560   | 56V            | 0.54A          | 2 Wire C8       |

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**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**  
W models 250uA maximum @ 264VAC 60Hz  
U models 350uA maximum @ 264VAC 60Hz

**AC Inrush Current**  
30A (RMS) maximum for 115VAC  
60A (RMS) maximum for 240VAC

**OUTPUT:**

**Total Output Power**  
30W

**Output Ripple**  
24V                    240mVp-p  
56V                    560mVp-p

**Efficiency**  
Meets Level V Efficiency Requirements

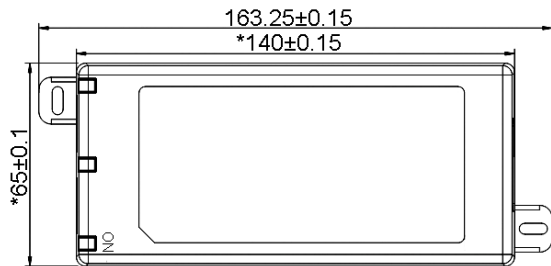
**Hold-up Time**  
10mS min. 120VAC and maximum load

**ENVIRONMENTAL:**

**Temperature**  
Operation                    0 to +40°C  
Non-operation                -25 to +65°C

**Humidity**  
Operation                    20 to 90%

**Dimension Diagram Unit: mm (inch)**



**EMC**

FCC Part 15 Class B  
EN55022 Class B

**Isolation Test**

Primary to Secondary: 1500VAC for 1 minute 10mA (U)  
Primary to Secondary: 3000 VAC for 1 minute (W models)  
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

**FEATURE:**

**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 C12 for U Models  
IEC320 C8 for W Models

**Output Connection**

+pins 4, 5  
-pins 7, 8

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