

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 30W Single Port Power over Ethernet Midspan IEEE802.3at Compliant Power Injector





#### **Features**

- Compliant with IEEE802.3at Standard
- Non-vented Case
- Full Protection OVP, OCP
- Cisco AP1250 Full Power Support
- Limited Power Source
- Gigabit Compatible
- 1 Year Warranty

#### **Applications**

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points

- Security Cameras
- IP Print Servers
- WiMAX® Access Points

# Safety Approvals

• CE

cUL/US

# **Mechanical Characteristics**

Length: 140mm (5.51in.)Width: 65mm (2.55in.)

Height: 36mm (1.42in.)Weight: 0.2Kg (7.58oz)

# **Output Specifications**

Model	AC Input	DC Output Voltage	Load		Regulation	
Model			Min.	Max.	Line	Load
POE31U-1AT	Three Wire	56V	10mA	535mA	±5%	
POE31W-1AT	Two Wire	56V	10mA	535mA	±5%	

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## **POE31X-1AT Characteristics**

## **WWW.PHIHONG.COM**

Class A

#### **INPUT:**

#### **AC Input Voltage Rating**

100 to 240VAC

#### **AC Input Voltage Range**

90 to 264VAC

#### **AC Input Current**

0.8A (RMS) maximum at 120VAC 0.55A (RMS) maximum at 240VAC

#### **AC Input Frequency**

47 to 63Hz

# Leakage Current

350uA maximum for U models 250uA maximum for W models

#### **Max In-rush Current**

60A maximum at 240VAC and maximum load (Cold Start at ambient 25°C)

# **OUTPUT:**

# **Output Power**

30W

#### **Hold up Time**

10mSec minimum at maximum load at 120VAC, 60Hz

#### **Transient O/P Voltage Protection**

60V maximum at switch on/off at any AC line phase

#### **Efficiency**

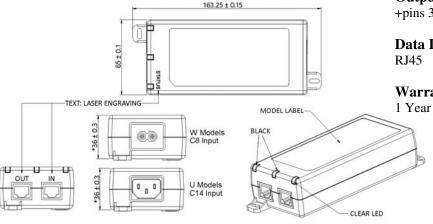
80% Typical at maximum load at 120VAC, 60Hz

#### **Environment**

Operating Temperature  $0 \text{ to } +40^{\circ}\text{C}$ Non-operating Temperature  $-20 \text{ to } +65^{\circ}\text{C}$ 

Relative Humidity 5 to 90%

#### **Dimension Diagram Unit: mm**



#### **EMI**

EN55022 Class B FCC part 15 Class B

#### **EMC**

ESD:	IEC61000-4-2	Level 3
RS:	IEC61000-4-3	Level 3
EFT/Burst:	IEC61000-4-4	Level 2
Surge:	IEC61000-4-5	Level 3
CS:	IEC61000-4-6	Level 3
Voltage Dips:	IEC61000-4-11	

Harmonic: IEC61000-3-2

# **Isolation (HI-POT)**

Primary to secondary: 1500VAC for 1 minute, 10mA

#### **Insulation Resistance**

Primary to secondary: 10M Ohm 500VDC

#### **FEATURES:**

#### Cisco

No extern parts required for Legacy devices: VoIP Phones: 7910, 7912, 7940, 7960 Access Points: 1040, 1140, 1250, 1260, 3500

# Over Voltage/Current, Short Circuit Protection

The output is equipped with short-circuit protection and overload protection as per the IEEE 802.3at specification and conforms to UL60950-2. The output can be shorted permanently without damage.

#### **Indicator**

Solid Green: Valid IEEE802.3at load detected and

connected "ON"

Blinking Green: Power "ON" ready for connection Blinking Red/Green: Invalid load connected

Blinking Red: fault

# **AC Input Connector**

IEC320 C14 - U Models - three wire IEC320 C8 - W Models - two wire

# **Output Connection**

+pins 3,6 / -pins 1,2

# **Data IN/POE OUT Connector**

# Warranty