



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
- 1 year warranty
- Limited Power Source
- Gigabit Compatible
- May power Cisco AP1250 with ACCY125X dongle

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	
			Min.	Max.	Line	Load
POE31U-1AT ¹	Three Wire	56V	10mA	535mA	±5%	
POE31W-1AT ¹	Two Wire	56V	10mA	535mA	±5%	

Notes: (1) Consult factory for availability

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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 min at max load at 120VAC, 60Hz

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

Efficiency
80% Typical at max load at 120VAC, 60Hz

Environment
Operating Temperature 0 to +40°C
Non-operating Temperature -20 to +65°C
Relative Humidity 5 to 90%

EMI
Complies with FCC Class B
Complies with EN55032 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 Class A

Isolation (HI-POT)

Primary to secondary: 1500VAC for 1 minute, 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 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

RJ45

Warranty

1 year

Dimension Diagram Unit: mm

