



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

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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 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 to +40°C
Non-operating Temperature -20 to +65°C

Relative Humidity 5 to 90%

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	Class A

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
RJ45

Warranty
1 Year

Dimension Diagram Unit: mm

