



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

Applications

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points
- Security Cameras
- IP Print Servers
- WiMAX® Access Points

Safety Approvals

- cUL/UL
- CE

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
POE29U-1AT	Three Wire	56V	10mA	535mA	±5%	
POE29W-1AT	Two Wire	56V	10mA	535mA	±5%	

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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 max for U models

250uA max for W models

Max In-rush Current

60A max at 240VAC and maxload (Cold Start at ambient 25°C)

OUTPUT:**Output Power**

30W

Hold up Time

10mSec min at max load at 120VAC, 60Hz

Efficiency

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

ENVIRONMENTAL:**Temperature**

Operating -20°C to +40°C

Non-operating -20°C to +70°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:**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 Green/Red: Invalid load connected

Blinking Red/Green: 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

