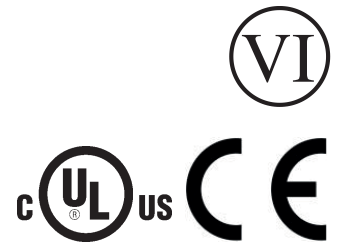




## 30W Single Port Power over Ethernet Midspan IEEE802.3AT Compliant Power Injector



### Features

DOE Level VI Compliant  
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

cUL/UL 62368-1

CE

### Mechanical Characteristics

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

Height: 36mm (1.42in.)  
Weight: 0.215Kg (7.58oz)

### Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
POE29U-1AT6-R	Three Wire	56V	10mA	536mA	54-57V	

## POE29U-1AT6-R Characteristics

### 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

3.5mA max at 254VAC, 50Hz

#### Max In-rush Current

60A max at 240VAC and Max. load (Cold

Start at ambient 25°C)

### OUTPUT:

#### Output Power

30W

#### Hold up Time

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

#### Efficiency

85% typ. at max load at 120VAC, 60Hz

### ENVIRONMENTAL:

#### Temperature

Operating 0°C to +40°C

Non-operating -20°C to +70°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.:

4242V DC for 1minute, 10mA

### Insulation Resistance

Primary to secondary: 10M Ohm 500VDC

### Features:

OVP, OCP, Short Circuit Protection

### Over Current Protection

≤750mA

### Short Circuit Protection

The output can be shorted permanently, without damage. Non-latching, auto recovery.

### Indicator

*Amber/Green Quick Flash* – Invalid device detected, fault

*Amber Flash* – No load/PD connected, DC power good.

*Green Flash* – Load current < 10ma Min. load current

*Green Solid* – Unit has detected valid IEEE802.3at load/PD

*Amber long/Green short Flash* – Output over load or short, fault

### AC Input Connector

IEC320 C14 - three wire

### Data IN / POE OUT

Non-shielded RJ45-connectors

### Output Connection

+ pins 3,6 / - pins 1,2

**Dimensional Diagram Unit: mm**

