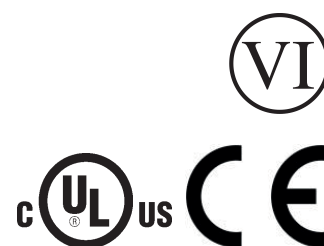




30W Single Port Power over Ethernet Midspan IEEE802.3AT Compliant Power Injector



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

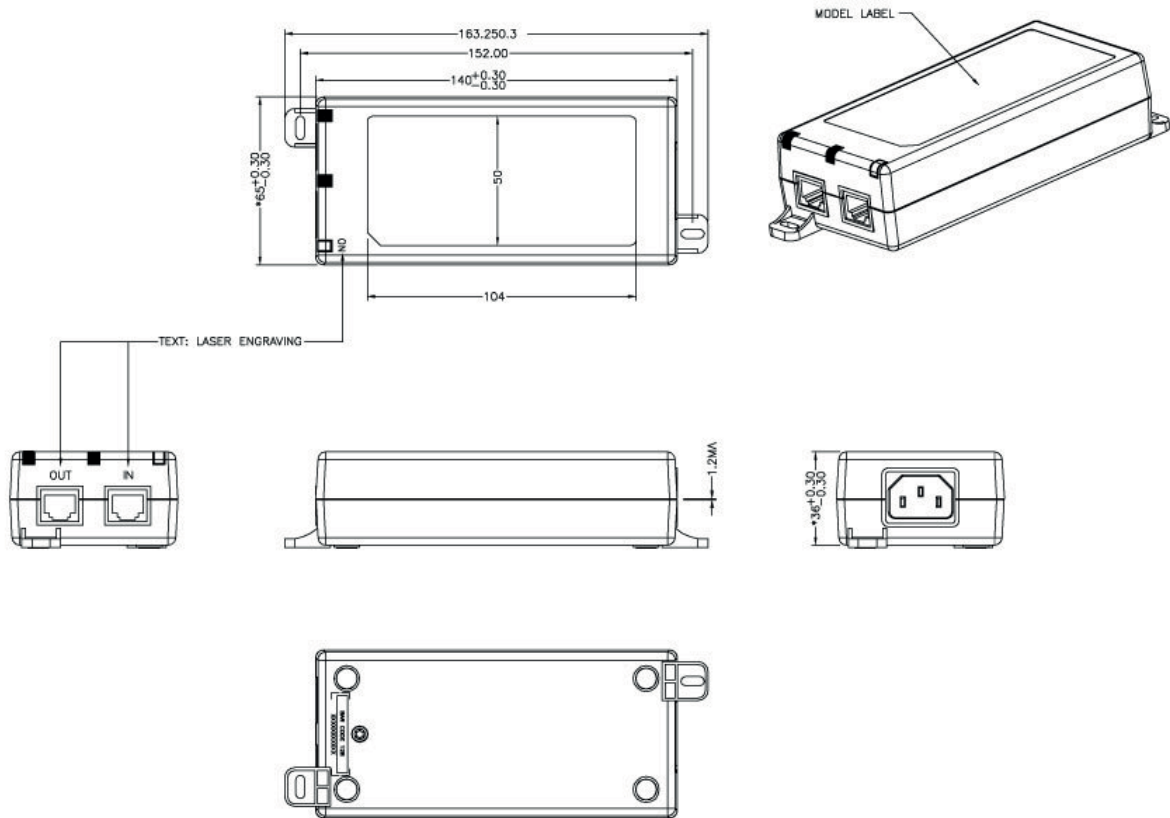
Data IN / POE OUT

Non-shielded RJ45-connectors

Output Connection

+ pins 3,6 / - pins 1,2

Dimensional Diagram Unit: mm



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