



30W, IEEE802.3at Single Port PoE Active Injectors



Features

- IEEE802.3at Complaint
- DOE VI Efficiency
- EU CoC Version 5 Tier 2 Efficiency
- Compact Size
- Limited Power Source
- Three Wire Input Models
- Full Over-Voltage and Over-Current Protection
- Non-Vented Case
- 1 Year Warranty

Applications

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

Safety Approvals

- cUL/UL (62368-1)
- CB (IEC62368-1)
- CE
- UL,cUL, CB 60950-X

Mechanical Characteristics

- Length: 140.1mm (5.52in.)
- Width: 45.5mm (1.79in.)
- Height: 30.0mm (1.18in.)
- Weight: 200g (7.04oz)

Output Specifications

Model	Input Connector	Data Rate	DC Output Voltage	Load		Regulation ¹	
				Min.	Max.	Line	Load
POEA30U-1AT	C14	10/100/1000	56V	10mA	536mA	±5%	
POEA30U-1ATE ²	C14	10/100/1000	56V	10mA	536mA	±5%	
POEA30U-1AT-2	C14	10/100/1000/2500	56V	10mA	536mA	±5%	
POEA30U-1AT-5	C14	10/100/1000/2500/5000	56V	10mA	536mA	±5%	
POEA30U-1AT-X	C14	10/100/1000/2500/5000/10000	56V	10mA	536mA	±5%	

Notes:

1. Voltage measured within 2" of the output RJ45 connector on data pairs 3,6(+) and 1,2(-)
2. Shielded RJ45 jacks

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INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Current

0.8A (RMS) max

AC Input Frequency

47Hz to 63Hz

Leakage Current

3.5mA max @254V, 50Hz

Max In-rush Current60A max at 240VAC and max load
(Cold Start at ambient 25°C)**OUTPUT:****Output Power**

30W, de-rated up to 15W at 50°C

Hold up Time

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

Efficiency

Minimum 85% @max load

ENVIRONMENTAL**Temperature**

Operating -10°C to +40°C

Non-operating -20°C to +70°C

Relative Humidity 5 to 90%

EMI

EN55032 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, Class 3

Harmonic: IEC61000-3-2, Class A

Isolation (HI-POT)

4242VDC for 1 minute, 10mA

Insulation Resistance

Primary to secondary:>10M Ohm 500VDC

FEATURES:**Over Voltage Protection**

Non-Latching auto recovery

Over Current Protection

<750mA Non-latch

Short Circuit ProtectionNon-Latching auto recovery. Output can be
shorted permanently without damage.**LED Indicators**

Green LED Slow Blinking – No connection

Green LED Fast Blinking – No Load

Green Solid – Power Good

Green/Yellow Fast Blink – Fault Detected

Yellow Solid with Green Blink – Over/Short
Current Detected**AC Input Connector**

IEC320 C14 - U Models – three wire

Output Connection

56vdc RJ45 Pins 3&6

56vrtn RJ45 Pins 1&2

