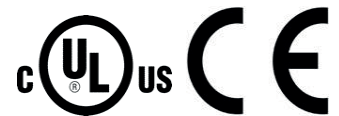




30W, IEEE802.3at Single Port PoE Active Injectors



Features

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

Applications

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

Safety Approvals

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

Mechanical Characteristics

| | |
|---------------------------|--------------------------|
| Length: 140.1mm (5.52in.) | Height: 30.0mm (1.18in.) |
| Width: 45.5mm (1.79in.) | 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

Phihong is not responsible for any error, and reserves the right to make changes without notice.

POEA30U-1AT Characteristics

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 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
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

Conforms to UL60950-1. Voltage between 2 SELV conductors shall not exceed 42.4Vpk or 60VDC for longer than 0.2seconds. Moreover a limit of 71Vpk or 120VDC shall not be exceeded. – Latching

Over Current

750mA max

Short Circuit Protection

Non-Latching Auto recovery. Output can be shorted permanently without damage.

LED Indicators

Orange Flash – Fault Detected
Orange Solid – Over/Short Current Detected
Green Solid – Power Good

AC Input Connector

IEC320 C14 - U Models – three wire

Output Connection

56vdc RJ45 Pins 3&6
56vrtn RJ45 Pins 1&2

Dimensional Diagram Unit: mm

