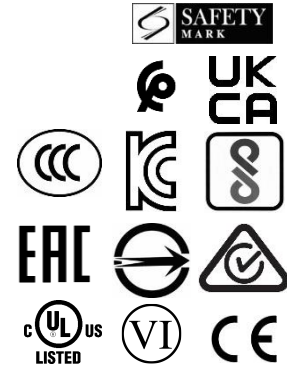




33W, IEEE802.3at Single Port PoE Active Injector



Features

- IEEE802.3at Complaint
- DOE VI Efficiency
- Compact Size
- Limited Power Source
- Three Wire Input
- 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
- cUL/UL, 60950-1
- UKCA
- BSMI
- CCC
- PSB
- C₂
- CE
- IEC62368-1
- RCM
- KC+KCC
- EAC
- BSI

Mechanical Characteristics

- Length: 140.1mm (5.51in.)
- Width: 45.5mm (1.79in.)
- Height: 30mm (1.18in.)
- Weight: 0.2kg (7.05oz)

Output Specifications

Model	Data Speed	Output Power	DC Output Voltage	Load		Regulation ¹		Ripple ²
				Min.	Max.	Line	Load	
POEA33U-1ATE-R	1G	33W	55V	≤10mA	600mA	53-56V		200mV

Notes:

1. Voltage measured within 5cm of the output RJ45 connector on data pairs 3,6(+) and 1,2(-)
2. Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20Mhz. 20 minutes warm-up required when operating at negative temperature.

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 Current70A max at 240VAC and max load
(Cold Start at ambient 25°C)**OUTPUT:****Output Power**33W @ -10°C to + 40°C, de-rated to 15W at
50°C**Hold up Time**

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

Efficiency²

DOE Level VI

ENVIRONMENTAL**Temperature**

Operating -10°C to +50°C

Non-operating -20°C to +70°C

Relative Humidity 5 to 90%

EMI

EN55032 Class B, FCC part 15 Class B

Immunities

IEC61000-4-2 (ESD) 4KV Contact/8KV Air

IEC61000-4-3 (RS) 3V/m

IEC61000-4-4(EFT) 1KV Input, 0.5KV Output

IEC61000-4-5 (Surge) 1KV L-L, 2KV L-PE

IEC61000-4-6 (CS) 3V

IEC61000-4-11 (Dips) Class 3

IEC61000-3-2 (Harmonic) Class D

Isolation (HI-POT)

4242VDC for 1 minute, 10mA

Insulation Resistance

Primary to secondary:>10M Ohm 500VDC

MTBF150,000 Hours Min @ Max Load 115VAC
25°C**FEATURES:****Over Voltage Protection**

120VDC. Non-latching

Over Current Protection

≤750mA

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

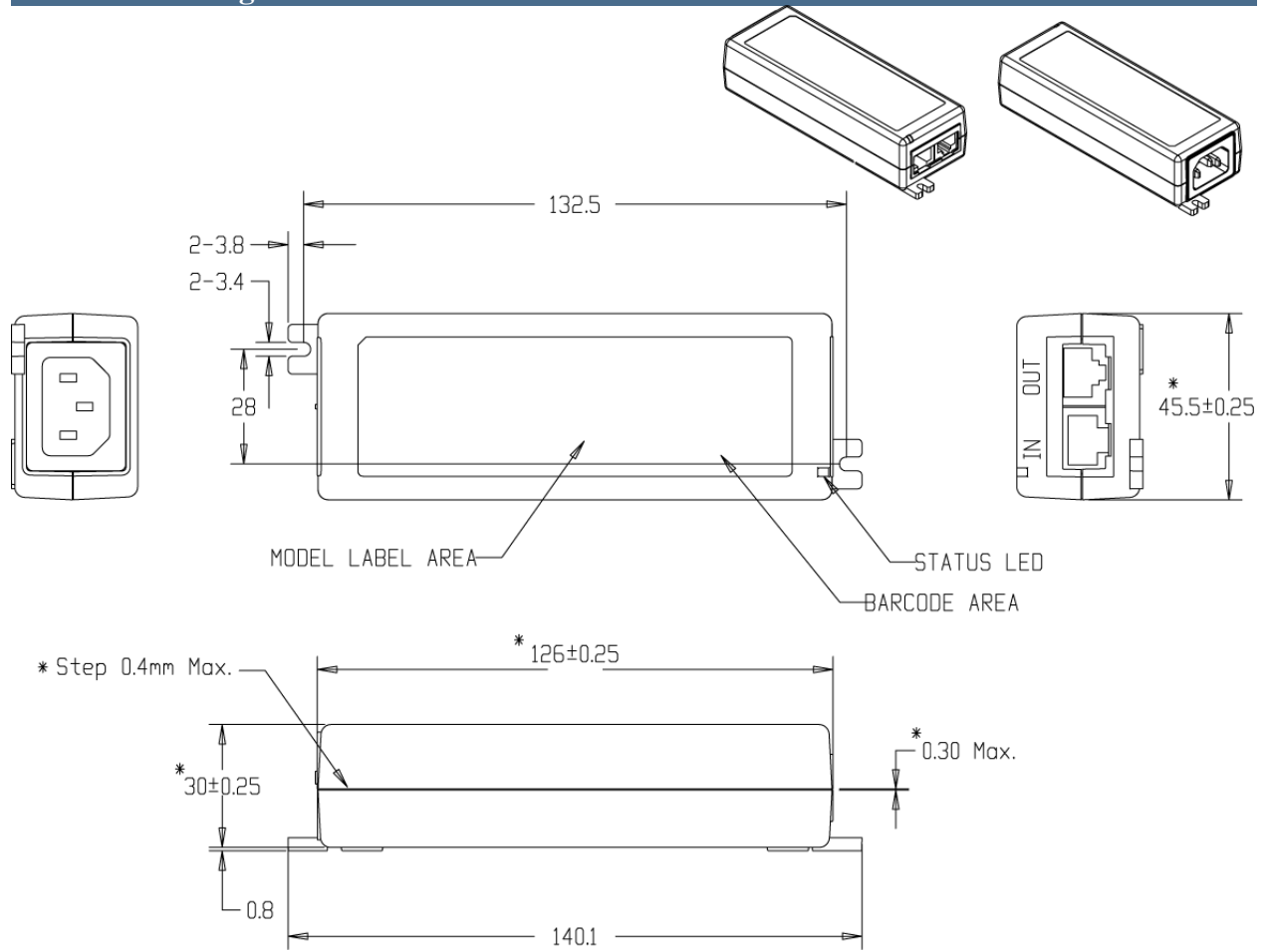
Output Connection

56VDC shielded RJ45 Pins 3&6

56VRTN shielded RJ45 Pins 1&2

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in



**Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information**

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www.phihong.com

NOTE: This model has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.