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# DC-DC Power over Ethernet Splitter POE14 Fully Compliant IEEE802.3af PD Power Supply

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UNH IOL Test Report Available

Full Protection OTP, OCP, OVP

InterOperability Laboratory

# CE

#### Features

- Fully Compliant IEEE802.3af DC Power Supply
- DC Good LED
- Non-Vented Case

## **Applications**

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Points

### Safety Approvals

• CE

## **Mechanical Characteristics**

- Length: 100mm (3.94in)
- Width: 56mm (2.2in)

• Security Cameras

Gigabit Compatible

1 Year Warranty

- IP Print Servers
- Height: 28mm (1.1in)
- Weight: 0.2Kg (7.05oz)

#### **Output Specifications**

Model	DC Output Voltage	Output Current
POE14-033	3.3V	3.00A
POE14-050	5V	2.20A
POE14-120	12V	1.17A

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### **POE14 Characteristics**

#### INPUT: Input Voltage Range

36 to 56V DC; Receives power from either data or spare pairs

**Input Current** 0.6A (DC) 36 V DC at maximum load

**Inrush Current** 0.4A maximum

OUTPUT:

**Regulation** Line and Load ±5%

**Ripple** 12V model 120mVp-p 5 & 3.3V models 75mVp-p

### Efficiency

72% (typical) at maximum load and 48V DC

### **Output Power**

Limit
8.25W at 36-57V DC
12.5W at 36-57V DC
12W at 36-55V DC
14W at 55-57V DC

## **ENVIRONMENTAL:**

Temperature

Operation Non-Operation

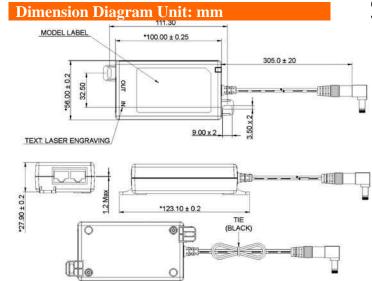
## Humidity

Operation

5 to 90%

0 to  $+40^{\circ}$ C

-25 to +65°C



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### Immunity

ESD:EN61000-4-2Level 3RS:EN61000-4-3Level 2EFT:EN61000-4-4Level 2Surge:EN61000-4-5Level 3CS:EN61000-4-6Level 2Voltage Dips:EN61000-4-11Harmonic:EN61000-3-2Note: CS, Surge, Harmonics and Dips tested with<br/>POE20U

### EMC

EN55022 Class A

**Dielectric withstand (HI-POT) Test** 1500V AC for 1 minute, 10mA

**Insulation Resistance** Primary to secondary: >10M Ohm 500V DC

#### **FEATURES**

**Short Circuit Protection** Output can be shorted permanently without damage

**Over Voltage Protection** By Zener clamping

**Indicators** Green LED – Output Good

#### **Input and Output Data Connector** RJ45

## Warranty

1 Year

#### **Output Connector**

Center Positive Barrel 9mm x 2.5mm x 5.5mm Tip is user changeable for other sizes

