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

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# 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 **IP Print Servers** 

Gigabit Compatible

1 Year Warranty

UNH IOL Test Report Available

Full Protection OTP, OCP, OVP

- 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  $\pm 5\%$ 

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:**

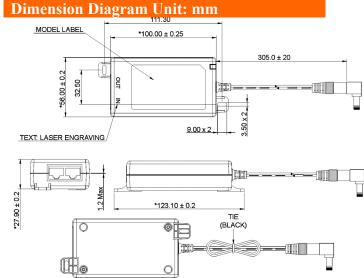
#### Temperature

Operation 0 to  $+40^{\circ}$ C Non-Operation -25 to +65°C

# Humidity

Operation

5 to 90%



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# Immunity

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

