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







#### **Features**

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

- UNH IOL Test Report Available
- Gigabit Compatible
- Full Protection OTP, OCP, OVP
- 1 Year Warranty

# Applications

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

- Security Cameras
- IP Print Servers

### **Safety Approvals**

• CE

### **Mechanical Characteristics**

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

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**

Output Model	Limit
3.3V	8.25W at 36-57V DC
5V	12.5W at 36-57V DC
12V	12W at 36-55V DC

#### **ENVIRONMENTAL:**

### **Temperature**

12V

Operation 0 to +40°C Non-Operation -25 to +65°C

Humidity

Operation 5 to 90%

# 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

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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

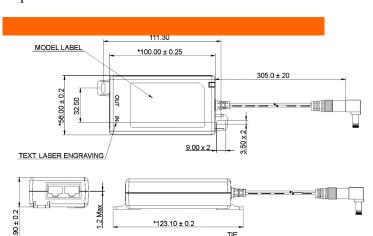
# Input and Output Data Connector

RJ45

#### **Output Connector**

Center Positive Barrel 9mm x 2.5mm x 5.5mm

Tip is user changeable for other sizes



14W at 55-57V DC

