



## 45W DC-DC Power over Ethernet Splitter POE45 Gigabit 12.5K Detection Splitter



### Features

- Designed to work with POE75U-1UP-R with 12.5k Detection Single Port Injectors
- Non-Vented Case
- Gigabit Compatible
- Full Protection OCP, OVP
- Diagnostic LEDs
- 1 Year Warranty
- 12.5K Detection PSE Only

### Applications

- WiMax Access Points
- Last Mile Wireless
- Computer Workstations
- Multi Radio Access Points

### Safety Approvals

- CE

### Mechanical Characteristics

- Length: 140mm (5.51in)
- Width: 65mm (2.56in)
- Height: 36mm (1.42in)
- Weight: 200g (7.05oz)

### Output Specifications

Model	DC Output Voltage	Load
POE45-120	12V	3.75A

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**INPUT:**

**Input Voltage Range**

Operates with POE75U-1UP-R 12.5k model only. 47-57V DC

**Input Current**

1.3A (RMS) maximum

**OUTPUT:**

**Regulation**

Line and Load  $\pm 2\%$

**Ripple**

120mV maximum at 25°C

**Efficiency**

83% minimum at full load and 48V DC

**O/P Voltage Protection**

In case of output voltage overload, output will shutdown, and then auto restart  
Output can be shorted permanently without damage

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C

Non-operation -20 to +65°C

Humidity 5 to 90%

**Immunity**

ESD: EN61000-4-2 Level 3

RS: EN61000-4-3 Level 2

Note: RS and CS tested with POE60U

**EMC**

EN55022 Class A

FCC Part 15, Class A

**Dielectric Withstand (HI-POT) Test**

Primary to secondary: 2121V DC for 1 minute, 10mA

**FEATURES:**

**Indicators**

LED 1 – Output “ON”

LED 2 – Power received via Data

LED 3 – Power received via Spare Pair

**Insulation Resistance**

Primary to secondary: >10M Ohm 500V DC

**Input and Output Data Connector**

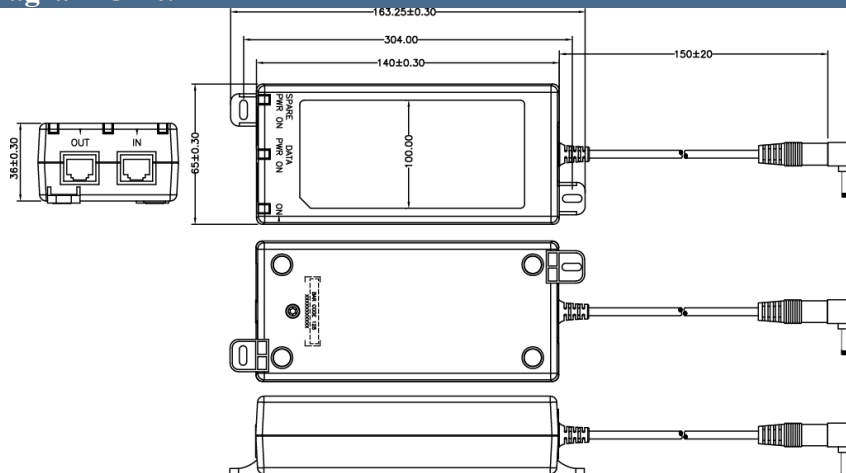
RJ45

**Output Connector**

Center Positive Barrel 12mm x 2.1mm x 5.5mm Tip is user changeable for other sizes



**Dimension Diagram Unit: mm**



[Type text]