

## **Excellent Integrated System Limited**

Stocking Distributor

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[Phihong USA](#)  
[POE45-120](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**WWW.PHIHONG.COM**



**45W DC-DC Power over Ethernet Splitter**  
**POE45 Gigabit IEEE802.3at Compliant Splitter**



**Features**

- IEEE802.3at Pre-standard
- Non-Vented Case
- Gigabit Compatible
- Designed to work with the POE60U and POE75U Single Port Injectors
- Proprietary Detection, Disconnect and Overload Protection
- Full Protection OCP, OVP
- Diagnostic LEDs
- 1 Year Warranty

**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.

**POE45 Characteristics**

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**INPUT:**

**Input Voltage Range**

Operates with POE60U-560G or POE75U-1UP  
 47-57V DC

**Input Current**

1.3A (RMS) maximum

**OUPPUT:**

**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**

Operation 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

**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

**Warranty**

1 Year

**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**

