



45W DC-DC Power over Ethernet Splitter Gigabit Speed with Phihong BT or 12.5K Detection



Features

- Designed to work with POE60 and POE90 injectors
- Non-Vented Case
- Gigabit Compatible
- Diagnostic LEDs
- Full Protection OCP, OVP
- 12.5K Detection PSE Only
- 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-R	12V	3.75A

INPUT:**Input Voltage Range**

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

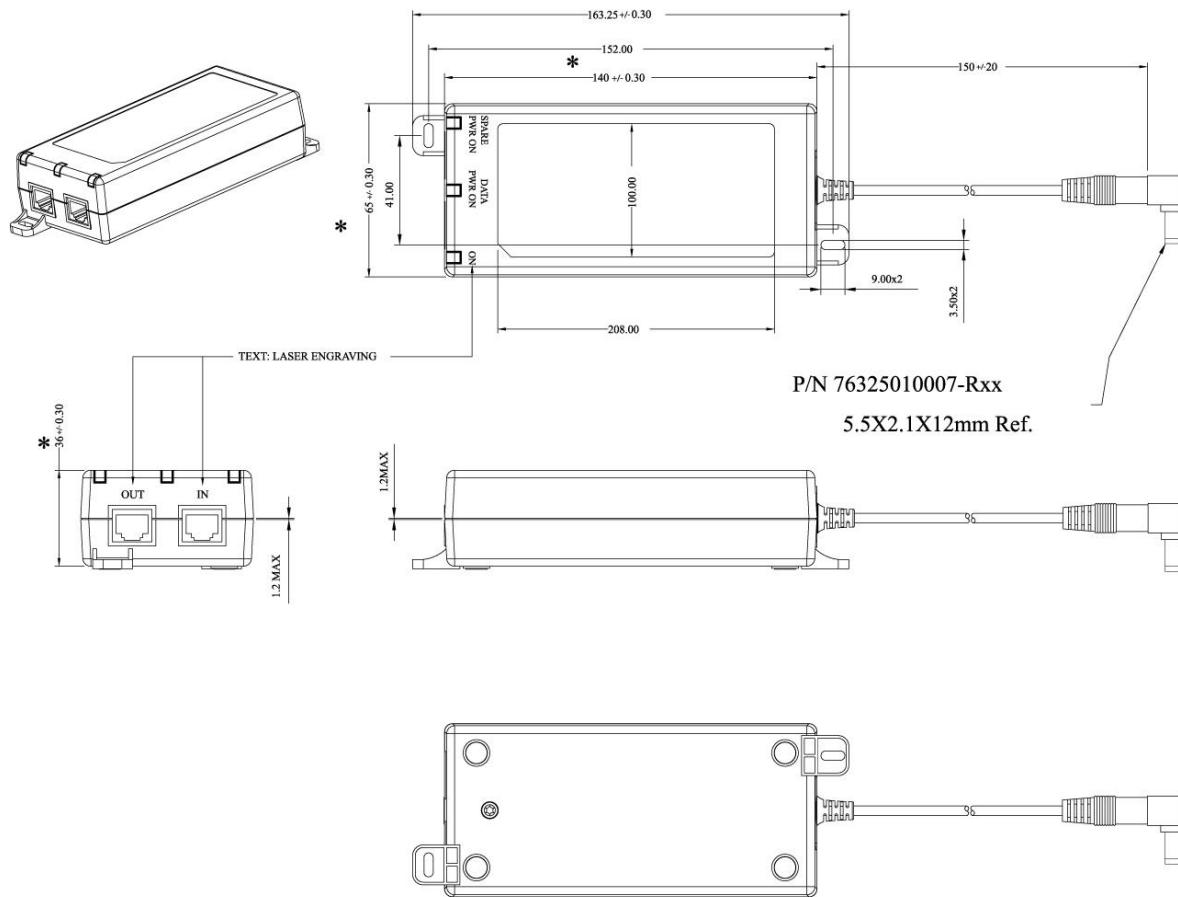
Primary to secondary: >10M Ohm 500V DC

Input and Output Data Connector

RJ45

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

Dimension Diagram Unit: mm



Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

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[POE45-120-R](#)