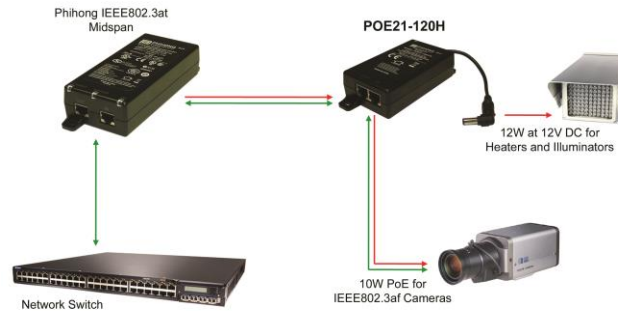




DC-DC Power over Ethernet Splitter 10W for POE Cameras and 12VDC for Heaters, Illuminators



Features

- Connection and DC disconnection per device attached to Data Out
- DC Good LED
- Power IEEE802.3af Camera
- End device must be IEEE802.3af compatible
- 1 Year Warranty
- 10W PoE output and 12W DC output at 12VDC
- DC Power and PoE/Data Output
- Gigabit Compatible
- Requires Pihong PoE Plus for full functionality
- Non-Vented Case

Applications

- IP Cameras Heaters and Illuminators
- Access Controls

Safety Approvals

- CE

Mechanical Characteristics

- Length: 100mm (3.937in)
- Width: 56mm (2.205in)
- Height: 28mm (1.098in)
- Weight: 0.142Kg (0.313lb)

Output Specifications

Model	Output Power		PoE Load		DC Load	
	PoE	DC	Min	Max	Min	Max
POE21-120H*	10W	12W at 12V DC	175mA at 57V DC	225mA at 44V DC	0A	1A

*Model will not operate without Pihong's IEEE802.3af power injector and can only power an IEEE802.3af compatible end device.

Reference files: [POE21-120H_user_manual.pdf](#)

Pihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

INPUT:

Unit receives power from Phihong PoE Plus Midspans only using Cat 5e or Cat 6 wiring up to 100 meters per IEEE802.3. For information on PoE Plus Midspans please go to www.midspans.com

DC Input Current

0.7A (DC) and 45VDC at maximum load

DC Input Voltage Rating

45 – 57VDC for 12V

OUTPUT:

Regulation

Line and Load $\pm 2\%$

Ripple

120mV maximum at 25°C

Efficiency

75% minimum at maximum load, 48V input

O/P Voltage Protection

In case of output over voltage overload, crowbar will short. The output can be shorted permanently without damage.

ENVIRONMENTAL:

Temperature

Operation	0 to +40°C
Non-operation	-20 to +65°C
Humidity	5 to 90%

ESD: EN61000-4-2. Level 3

RS: EN61000-4-3. Level 2

Note: RS and ESD tested with POE36U-1AT

EMC

Complies with FCC Class B

Complies with EN55032 Class B

Dielectric withstand (HI-POT) Test

Primary to secondary: 2121VDC for 1 minute, 10mA

Insulation Resistance

Primary to Secondary: >10M Ohm 500V DC

FEATURES:

Indicators

GREEN LED – Output power “ON”

Input and Output Data Connector

RJ45

Output Connector

POE and data RJ45 Jack

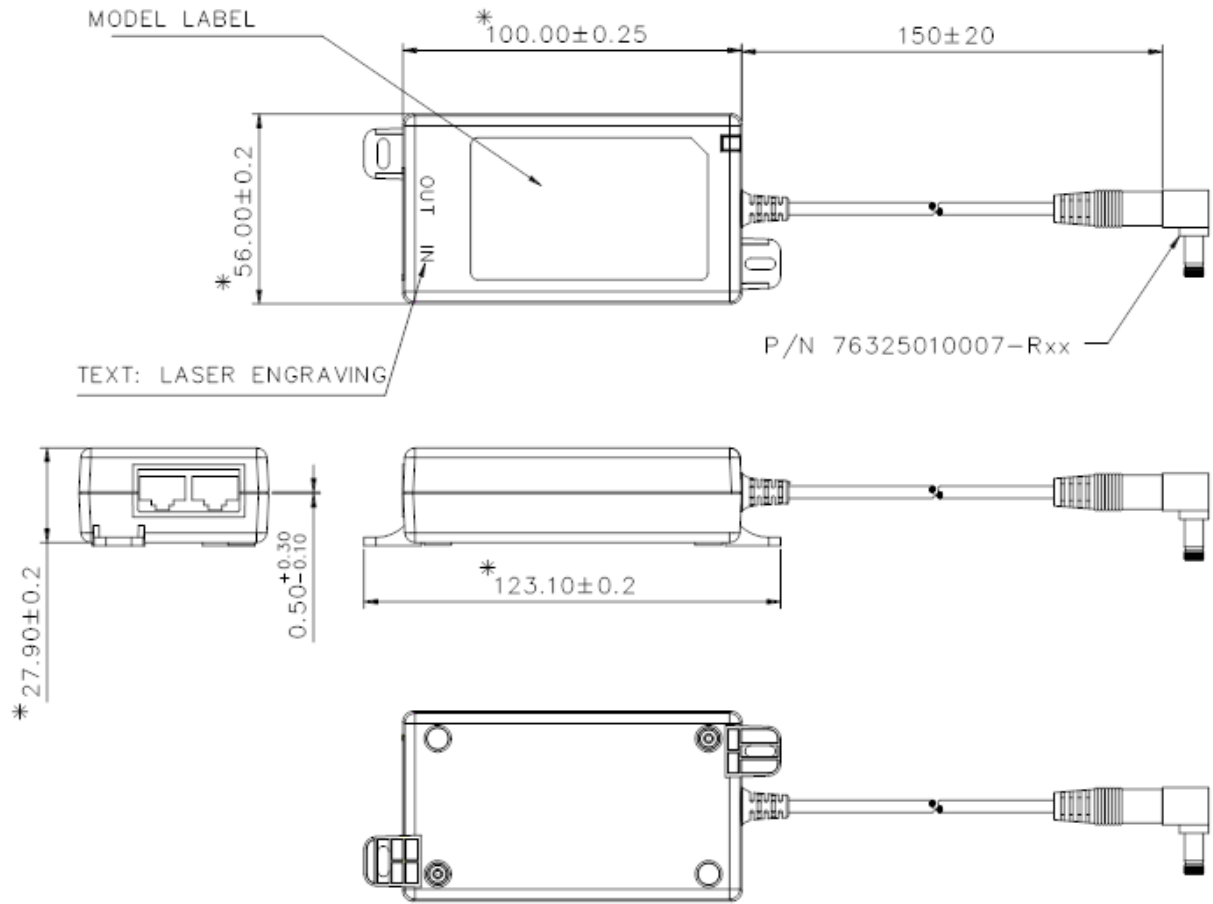
DC Output

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



Immunity

Dimension Diagram Unit: mm



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

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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.