



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



### Features

- Fully Compliant IEEE802.3af DC Power Supply
- DC Good LED
- Non-Vented Case
- 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-R | 3.3V              | 2.5A           |
| POE14-050-R | 5V                | 2.5A           |
| POE14-120-R | 12V               | 1.17A          |

Reference files: [POE14\\_user\\_manual.pdf](#)

**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 max load

**Inrush Current**

0.4A maX

**OUTPUT:**

**Regulation**

Line and Load ±5%

**Ripple**

12V model 120mVp-p

5V & 3.3V models 75mVp-p

**Efficiency<sup>2</sup>**

72% (typical) at max 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   |
| 12V          | 14W at 55-57V DC   |

**ENVIRONMENTAL:**

**Temperature**

|               |              |
|---------------|--------------|
| Operation     | 0 to +40°C   |
| Non-Operation | -25 to +65°C |
| Humidity      | 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:<br>EN61000-3-2 |

Note: CS, Surge, Harmonics and Dips tested with POE20U

**EMC**

Complies with FCC Class B

Complies with EN55032 Class B

**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**

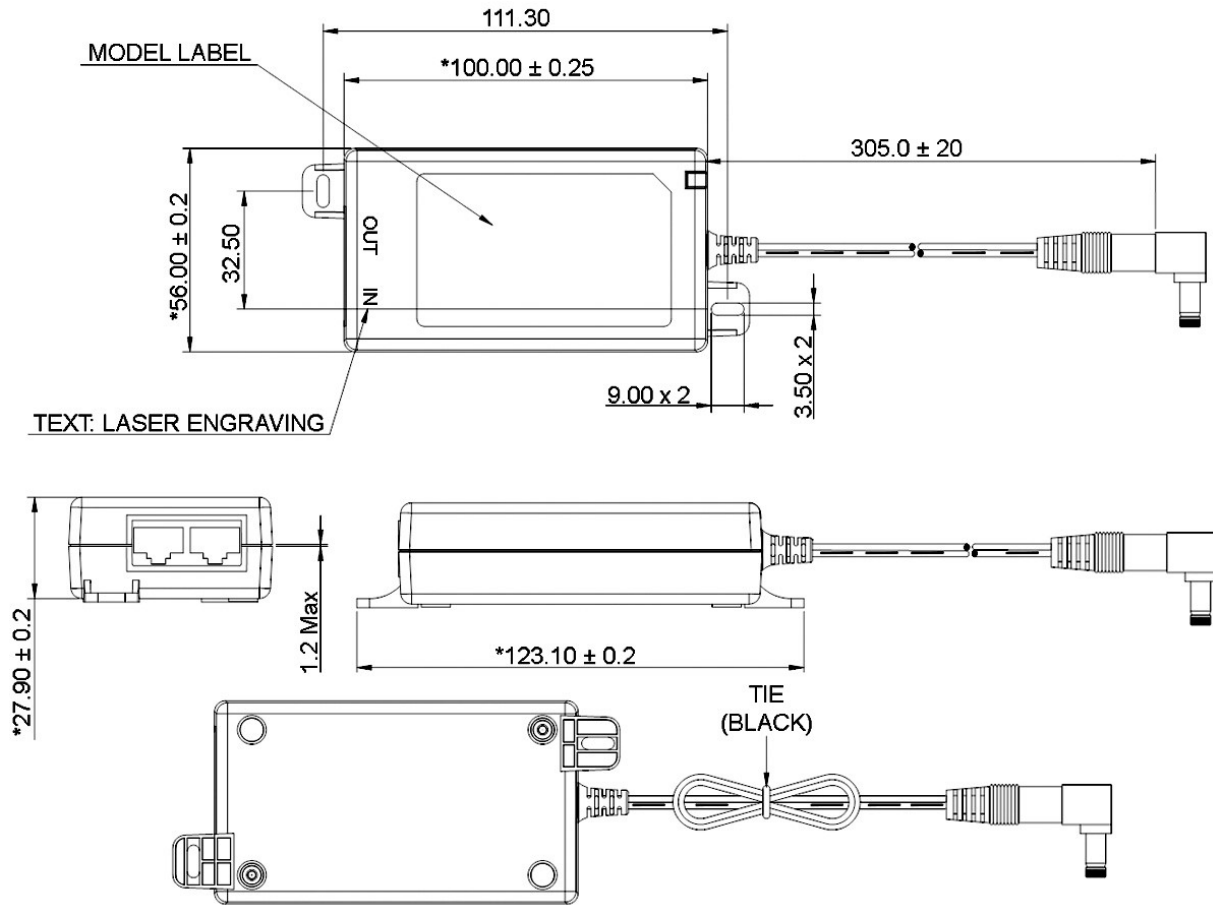
RJ45

**Output Connector**

Center Positive Barrel 9mm x 2.5mm x 5.5mm. Tip is user changeable for other sizes. Note: The + molded on replaceable tip must line up with the word “tip” on DC cord to ensure that the center pin DC jack is +.

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in



**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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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