



## 21W DC-DC Power Over Ethernet Splitter POE21 Gigabit High Power Splitter



*Designed to work with  
POE36U-1AT Single port*



### Features

- IEEE802.3af detection/disconnection
- DC Good LED
- Non-Vented Case
- Gigabit Compatible
- UNH IOL Test Report
- Full Protection OTP, OCP, OVP
- 10/100/1000 Base T Data rates
- User Changeable Tips

### Applications

- IP Telephones
- Wireless Network Access Points
- Security Camera
- IP Print Servers

### Safety Approvals

- CE

### Mechanical Characteristics

- Length: 100mm (3.937in)
- Width: 56mm (2.205in)
- Height: 27.9mm (1.098in)
- Weight: 0.142Kg (0.313lb)

### Output Specifications

| Model     | DC Output Voltage | Output Current |
|-----------|-------------------|----------------|
| POE21-120 | 12V               | 1.75A          |
| POE21-240 | 24V               | 0.875A         |

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**INPUT:**
**Input Voltage Range**

Receives power from either Data or spare pairs  
45-57VDC

**Input Current**

0.6A(RMS) max.

**OUTPUT:**
**Regulation**

Line and Load  $\pm 4\%$

**Ripple**

12V 120mVp-p

24V 240mVp-p

**Efficiency**

75% (typical) at Max. load 48Vinput

**O/P Voltage Protection**

In case of output voltage, crowbar will short

**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

CS: EN61000-4-6. Level 2

Note: RS and CS tested with POE30U

**EMC**

EN55022 Class A

**Isolation Test**

This Splitter output is isolated from incoming POE voltages

**Indicators**

GREEN LED – Output Good

**Cable**

Designed to operate upto 100 meters per IEEE 802.3, CAT 5e or CAT6

**Input and Output Data Connector**

RJ45

**Output Connector**

Center Positive Barrel 9mm x 2.5mm ID x 5.5mm OD

Tip is user changeable for other sizes


**Dimension Diagram Unit: mm (inch)**
**POE21-120**
