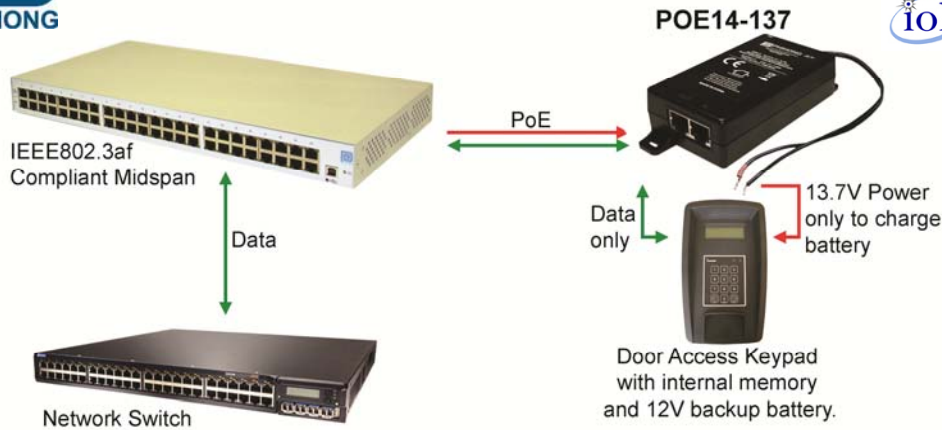




## DC-DC Power over Ethernet Splitter POE14-137 Offers Battery Charging Capabilities



### Features

- Fully Compliant IEEE802.3af
- DC Good LED
- Non Vented Case
- Full Protection OTP, OVP, OCP
- Battery Charging Capability
- UNH IOL Test Report
- Gigabit Compatible
- Output Wires Marked for Polarity

### Applications

- Access Control
- Backup Batteries

### 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 | Load |      |
|-----------|-------------------|------|------|
|           |                   | Min. | Max. |
| POE14-137 | 13.7              | 0A   | 1A   |

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**INPUT:**

**DC Input Voltage Range**

36 to 57V DC; Receives power from either data or spare pairs

**DC Input Current**

0.6A (DC) 36V DC at maximum load

**Inrush Current**

0.4A maximum

**OUTPUT:**

**Output Power**

13.7W at 36-57V DC

**Regulation**

Line and Load  $\pm 5\%$

**Ripple**

120mVp-p

**Efficiency**

72% (typical) at maximum load and 48V DC

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C  
 Non-Operation -25 to +65°C

**Humidity**

Operation 5 to 90%

**Immunity**

ESD: EN61000-4-2 Level 3  
 RS: EN61000-4-3 Level 3  
 CS: EN61000-4-6 Level 3  
 Note: CS tested with POE20U

**EMI**

EN55022 Class A  
 FCC part 15 Class A

**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

**Warranty**

1 Year

**Dimension Diagram Unit: mm (inch)**

