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[POE14-137](#)

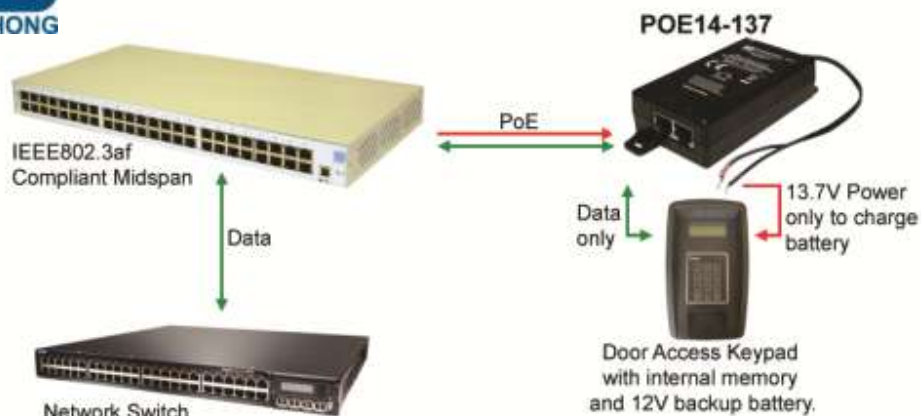
For any questions, you can email us directly:

sales@integrated-circuit.com

WWW.PHIHONG.COM



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
- 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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POE14-137 Characteristics

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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)

