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# POE-MINIPOD

BATTERY BACKED UP PoE SOURCE

## FEATURES

The Elmdene POE-MINIPOD is a unique PoE+ powered device that can charge a 12V 7Ah battery whilst continuing to provide a PoE compliant output (up to 14W) to the PoE Powered Device (PD). If the PoE power being provided to the input fails, the battery seamlessly takes over continuing to provide PoE to the device for up to 4 hours

- Housed in steel IP66 rated enclosure
- Installer friendly IP66 rated external cable glands offer plug and play solution
- Powered remotely by PoE+ (PoE 802.3at)
- Provides up to 14W to PD whilst charging the battery
- Houses industry standard 12V 7Ah SLA battery
- Deep Discharge protection
- Fault Output

## SPECIFICATION

### Input Specification

PoE+	PoE802.3at
Power Pin Assignment	4/5(+), 7/8(-)

### Output Specification

PoE+	PoE802.3at (16W max with battery charging)
Power Pin Assignment	4/5(+), 7/8(-)

### Standby Battery

Battery Type (not supplied)	12V 7Ah Valve Regulated Lead Acid
Battery Charging Fuse protection	F1.25A

### Mechanical

Dimensions <b>w x h x d (mm)</b>	200 x 230 x 80
Battery Capacity	1 x NP7 (8Ah)
Weight (kg)	2.0
Enclosure Material	1.2mm steel grey powder coated

### Environmental

Temperature	-10 to +40°C (operating) 75% RH non-condensing
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## CONNECTIONS

INPUT	PoE802.3at connection from PoE+ source
OUTPUT	PoE802.3at connection to PD
FAULT:	Relay output for PoE+ fail. Open if loss of PoE+.
BATT +, -	Connection to standby battery. Use cables provided (Observe polarity)

## INSTALLATION INSTRUCTIONS

This unit is only suitable for installation as permanently connected equipment. This PSU is *SUITABLE* for external installation. This unit must be fed from a PoE802.3at power source.

### Mounting

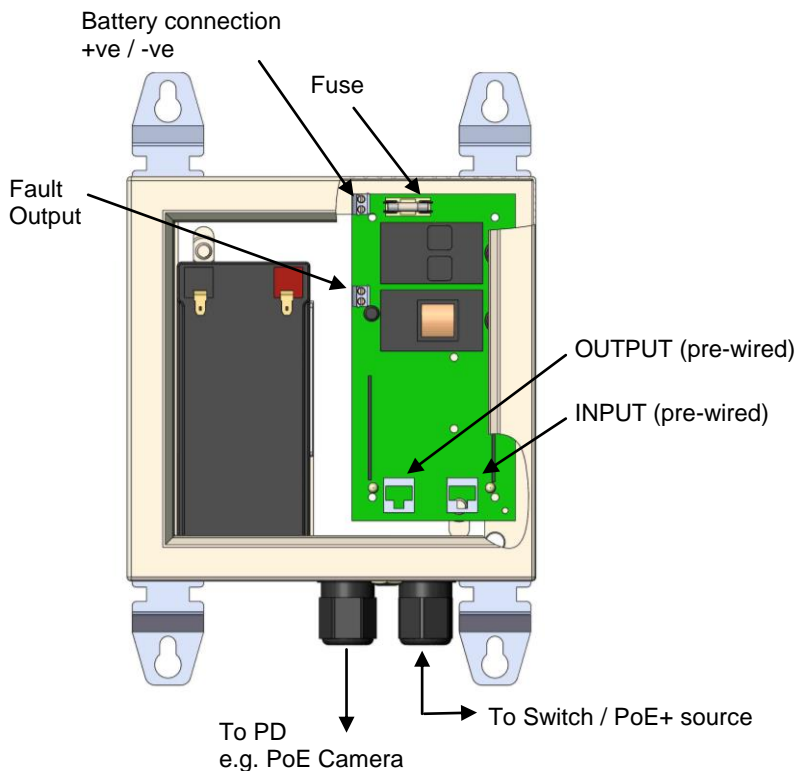
- 1) Mount securely in correct orientation (RJ45 glands facing downwards) using the wall brackets provided

### Power Up

- 2) Attach suitable cable from PoE+ source to INPUT RJ45 connector
  - 3) Attach suitable cable between PD and OUTPUT RJ45 connector
  - 4) Connect charged 12V 7Ah VRLA battery using cables provided
- NOTE:** ensure correct polarity of battery connections: **+ve** use **Red** lead, **-ve** use **Black** lead.
- 5) Observe RED LED is ON when PoE+ is present
  - 6) Observe PD indicates power is present
  - 7) Remove INPUT cable from POE-MINIPOD and observe PD continues to indicate power is present
  - 8) Reconnect INPUT cable

### Signalling

- 9) Connect fault output to appropriate inputs of Control and Indicating Equipment (CIE) if required.
- 10) Close cover and secure using fastening key provided.



## OPERATING INSTRUCTIONS

In the event of loss of PoE+ to the PoE-MINIPOD, the Fault signal contacts will open and the POE-MINIPOD will continue to deliver up to 14W PoE802.3at for up to 4 hours (dependant on charge state or capacity of battery)

If the output of the POE-MINIPOD fails, the cause of the failure should be investigated e.g. short circuit load, connection of a deeply discharged battery. The fault should be rectified before restoring power to the POE-MINIPOD. If any of the fuses require replacing, ensure the correct fuse rating and type is used.

## MAINTENANCE

This unit is intended for use by Service Personnel only. There are NO USER SERVICEABLE parts inside.

There is no regular maintenance required of the POE-MINIPOD other than periodic testing, and replacement of the standby battery. ***Reference should be made to the battery manufacturer's documentation to determine typical/expected battery life with a view to periodic replacement of the battery.***

## COMPLIANCE

This power supply unit meets the essential requirements of the following European Directives:

Low Voltage	2014/35/EU
EMC	2014/30/EU
WEEE	2012/19/EU
RoHs2	2011/65/EU



## DISPOSAL OF PRODUCT AT END OF LIFE

This product falls within the scope of EU Directives 2012/19/EU Waste Electrical and Electronic Equipment (WEEE) and 2013/56/EU (Battery). At the end of life, the product must be separated from the domestic waste stream and disposed via an appropriate approved WEEE disposal route in accordance with all national and local regulations.

Before disposal of the product, any batteries must be removed, and disposed separately via an appropriate approved battery disposal route in accordance with all national and local regulations. Package used batteries safely for onward transport to your supplier, collection point or disposal facility.

***Caution: Risk of fire or explosion  
if bare battery wires are allowed to touch.***

See Specification for battery type information. The battery is marked with the crossed out wheelie bin symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg).

For more information see: [www.recyclethis.info](http://www.recyclethis.info)

### **Explanation of symbols: (Not all may apply)**



Fault Indication



Shock Risk - isolate before attempting access



Mains Present



Protective Earth



Certification Level



Do not dispose of in unsorted waste

Specifications subject to change without notice

***The packaging supplied with this product may be recycled.  
Please dispose of packaging accordingly.***