



## ELECTRICAL RATINGS

| Parameter                     | Rating   |
|-------------------------------|--|
| Input Voltage                 | 42.5 to 57 VDC   |
| Input Current                 | 0.6 Amps Max   |
| Output Voltage                | 12V DC   |
| Output Power                  | 25W Max - when power select terminals are shorted<br>13W Max - when power select terminals are open                                |
| Data Rate                     | 10/100/1000 Base - T   |
| ESD Immunity                  | 8kV  |
| RJ45 Pinout                   | Input power connection 1:<br>Pins 1,2; Pins 3,6; (any polarity)<br>Input power connection 2:<br>Pins 4,5; Pins 7,8; (any polarity) |
| Operating Ambient Temperature | 0 to 49 °C, Indoor Dry Locations   |
| Storage temperature           | -20 to +70 °C  |
| Operating humidity:           | 5% to 95% (Non-condensing)   |
| Size                          | 4.20" L x 2.50" W x 1.20" D<br>(107mm L x 64mm W x 31mm D)   |
| Weight                        | 0.25 lb (0.11 kg)  |

## DESCRIPTION

The NetPower NPE130 PoE midspan power extractor is designed to provide 12VDC, up to a maximum of 25W output power, to a non-PoE device (e.g. camera) from a PoE source.

RJ45 connectors are provided for data input and output, and two terminal strips are provided for the DC output and power level selection.

The NPE130 is compatible with the IEEE802.3at standard and is capable of accepting PoE connections of Mode A, Mode B, or Mode A and B simultaneously.

Operation with reverse polarity at the PoE input is also supported.

## BENEFITS

- Allows powering of non-PoE devices from a PoE source
- 12VDC output power derived from PoE source
- Selectable for 13W or 25W output to match the PoE source
- 30W IEEE 802.3at, Listed to UL294B
- Data rate 10/100/1000 BASE-T compliant
- Visual diagnostics by on board LED

## FEATURES

- Listed for CCTV, Access Control
- This module may be used to power DC cameras, PTZ, access control door controllers, and other similar equipment from a PoE source
- **Reliability+** Fiberglass PCBs for improved environmental protection
- **GreenSmart** RoHS, Lead-free manufacturing compliant
- Ten year warranty

## AGENCY LISTINGS

### USA

UL 294B  
Standards for Access Control System Units, 5th Edition UL Subject 294B  
Outline of Investigation for Power over Ethernet (PoE)  
UL/CUL 60950-1  
IEEE802.3at

### CANADA

CSA C22.2 No.205-M1983, Signal Equipment

### RoHS Compliance

The product shall be compliant with the European Union's Restriction of Hazardous Substances Directive (RoHS)

**NETPOWER FEATURES**

**Reliability+** All boards within the NetPower system feature fiberglass PC boards to protect the electronics from water, dust, and other corrosive elements found in industrial settings.

**GreenSmart** All members of the NetPower family are RoHs compliant, lead-free, and meet the latest state, federal and European requirements for energy efficiency.

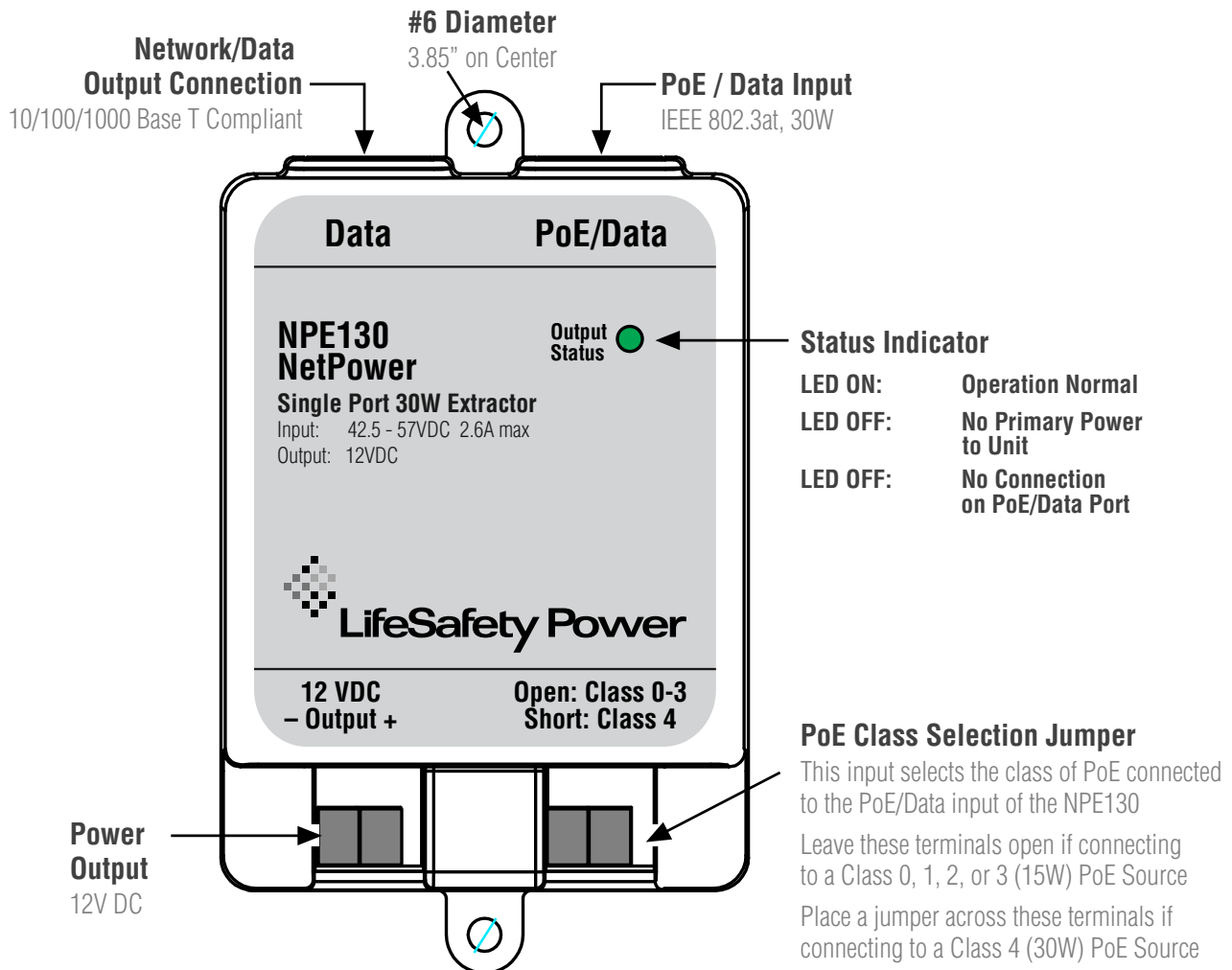
**Expansion** This module is typically part of an existing system or purchased to expand an existing system.

**Flexibility** This module may be used to power DC IP cameras, access control door controllers, and other similar non-PoE equipment. See the instruction manual or application notes for more information.

**ORDERING**

| Model No.           | Order No | Mechanical Information                   |
|---------------------|----------|--|
| NPE130              | A10-005  | Size: 4.2" x 2.5" x 1.2" Weight: .25 lb. |
| NPE130DR (Din Rail) | A10-006  | Size: 4.2" x 2.5" x 1.2" Weight: .29 lb. |

**INSTALLATION DIAGRAM**



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**Important:** All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. LifeSafety Power makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. LifeSafety Power's only obligations are those in the LifeSafety Power Standard Terms and Conditions of Sale for this product, and in no case will LifeSafety Power or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, LifeSafety Power reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.