The PoE-24, manufactured by Solis Energy, is a hardened, industrial-grade PoE injector designed to reliably connect PoE devices in harsh environments. The PoE-24 features an 802.3af/at Gigabit PoE output which allows it to handle cutting-edge high-power and high-bandwidth devices.

The PoE-24 was designed with durability in mind. A hardened metal case, fanless design, redundant power inputs, over-current protection, and -40°C to 65°C operating temperature range mean that the PoE-24 is extremely resistant to hardware failure and well-suited to even the most demanding operating conditions.

The PoE-24’s integrated DIN-rail mount, small form factor, and plug-and-play interface mean that the PoE-24 can be quickly and easily added to any network.
PoE-24

**Technology**

**Ethernet Standards**
- IEEE 802.3at PoE
- IEEE 802.3at PoE+
- IEEE 802.3af
- IEEE 802.3at 100BaseT (X)
- IEEE 802.3at-1000BaseT (X)

**EMI Standards**
- FCC Part 15, CISPR (EN55022) Class B

**Manufacturing Standards**
- RoHS Compliant
- WEEE Compliant

**PoE Specifications**

**PoE Modes**
- IEEE 802.3at Power over Ethernet (PoE)
- IEEE 802.3at High Power over Ethernet (PoE+)

**Number of PoE+ Ports**
- 1

**Maximum Power**
- 30W (IEEE 802.3at)

**PoE Pinout**
- Pins 4, 5: V+; Pins 7, 8: V- (Mid-span)

**PoE Format**
- Mode B

**Network Signal Protection**

**Protected Lines**
- 1, 2, 3, 4, 5, 6, 7, 8

**L-G Surge Protection**
- 6kV

**Clamp Voltage**
- (11, 2, 3, 6, 4, 5, 7, 8): 7.5 VDC

**Power Specifications**

**Connection**
- 1 removable 6-contact terminal block

**Input Voltage**
- 10 – 30VDC, Redundant Dual Inputs

**No-Load Consumption**
- 3W @ 12VDC

**Power Budget**
- 33W @ 12VDC

**Redundant Dual Inputs**
- Present

**Over-Current Protection**
- Present

**Physical Specifications**

**Dimensions (W x H x D)**
- 32 x 115 x 84 mm (including DIN mount)
- 1.3 x 4.5 x 3.3 in (including DIN mount)

**Weight**
- 600g

**Installation**
- DIN-rail mount

**Operating Temperature**
- -40 to 65 °C (-40 to 167 °F)

**Storage Temperature**
- -40 to 75 °C (-40 to 167 °F)

**Ambient Relative Humidity**
- 5 to 90% (non-condensing)

**PoE Output Protection**

**L-G Surge Protection**
- 6kV

**Power Clamp Voltage**
- (4, 5, 7, 8): 60 VDC