

Full Duplex Gigabit IEEE 802.3at 56V @ 450mA Power Over Ethernet Plus (PoE+) Injector



Model: POEGAT25

KEY FEATURES

- The Gigabit Power over Ethernet (PoE+) Injector provides power over a distance of up to 100 meters (328 ft.)
- Full Duplex Gigabit speeds supported
- Supplies power up to 25 Watts
- Universal Input 100 to 240V AC
- RoHS Compliant
- Save on installation and equipment costs

Specifications

| | |
|-------------------------------|--|
| Output | 56V DC @ 450mA |
| Output Power | 25 Watts |
| Efficiency | 79% |
| Ripple & Noise (Peak to Peak) | 1% |
| Line Regulation | 5% |
| Load Regulation | 5% |
| MTBF | 1,000,000 hours |
| Standard | IEEE 802.3at |
| Network Media | 10Mbps: UTP/STP Cat. 5 and 5e up to 100 Meters 100Mbps: UTP/STP Cat. 5 and 5e up to 100 Meters Gigabit: UTP/STP Cat. 5e and 6 up to 100 Meters |
| Ports | 1 x 10/100/1000Mbps DATA-IN (Data only) 1 x 10/100/1000Mbps PWR+DATA-OUT |
| Injector Pairs | End-span injector (mode A) 1/2 DC-, 3/6 DC+ |
| RoHS Compliance | Yes |
| Environment | Temperature: Operating: 0°C to 40°C, Storage: -25°C to 65°C Humidity (non-condensing): Operating: 10% to 90%, Storage: Max. 90% |
| Certification | UL (pending) |
| Dimension (W x H x D) | 115 x 31 x 50 mm |

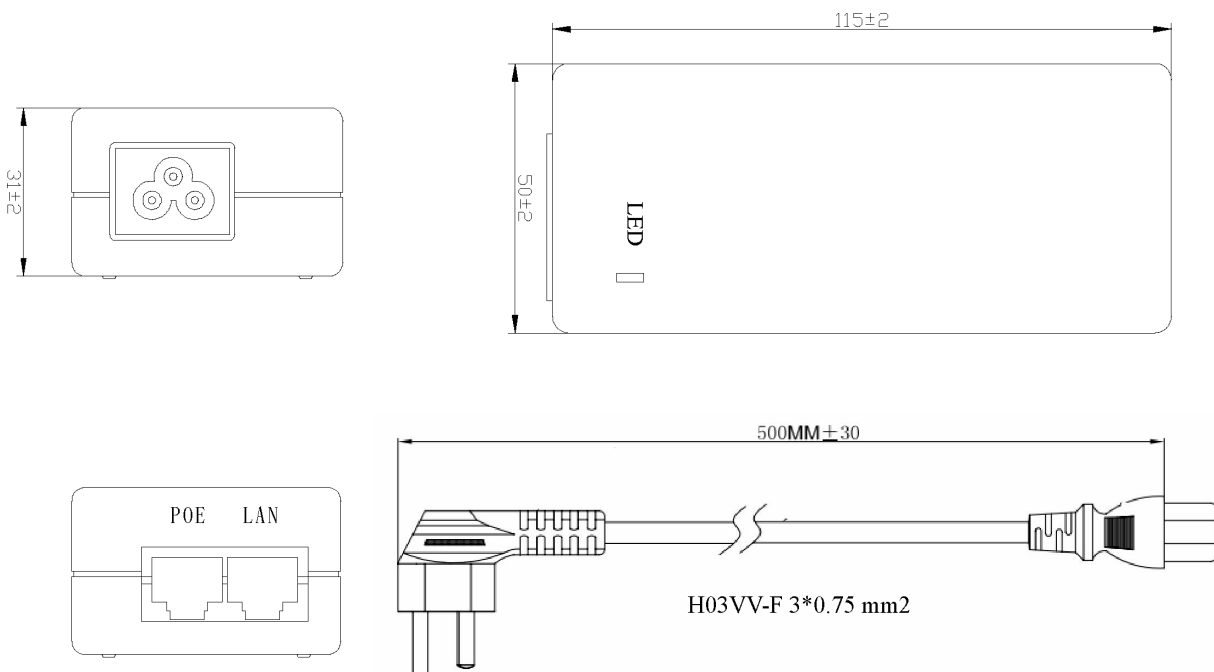
Protection

| | |
|--------------------------|---|
| Short Circuit Protection | Outputs equipped with short circuit protection and overload protection as per 802.3at specifications. The output can be shorted permanently without damage. |
| Over Current Limits | 150% ~ 200% @ 100V ~ 240V AC |
| Over Voltage Protection | 59V ~ 65V |
| Input Fuse Protection | Yes |
| LED Indication | Green LED indicating PoE Output OK |
| PoE Detection | IEEE 802.3at detection |

RJ45 Connector and Pin-Out

| RJ-45 Input (Data Only) | | | RJ-45 Output (Data & Power) | |
|-------------------------|--------|---------------|-----------------------------|---------------|
| Pin | Symbol | Description | Symbol | Description |
| 1 | RX+ | Data Receive | RX+/-Vdc | Power(-)+Data |
| 2 | RX- | Data Receive | RX-/-Vdc | Power(-)+Data |
| 3 | TX+ | Data Transmit | TX+/-Vdc | Power(+)+Data |
| 4 | RX- | Data Receive | RX- | Data Receive |
| 5 | RX+ | Data Receive | RX+ | Data Receive |
| 6 | TX- | Data Transmit | TX-/+Vdc | Power(+)+Data |
| 7 | TX+ | Data Transmit | TX+ | Data Transmit |
| 8 | TX- | Data Transmit | TX- | Data Transmit |

Mechanical Dimensions



Ordering Options

| Item Code | Ports | Power Solutions |
|-----------|--|--|
| POEGAT25 | 1 x 10/100/1000Mbps DATA-IN (Data only) 1 x 10/100/1000Mbps PWR+DATA-OUT (Data + Power) | Gigabit IEEE 802.3at PoE Injector 25W/56V output, with IEEE 802.3at detection |

Packaging Content

| Item | Quantity |
|------------------------------|----------|
| POEGAT25 Active PoE Injector | 1 |
| Power Cable | 1 |

Packaging Information

| Packaging Type | Dimensions | Gross Weight | Dimensional Weight |
|----------------|------------------|--------------|--------------------|
| Packaging Box | 160 x 95 x 50 mm | 0.245 kg | 0.2 kg |