

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

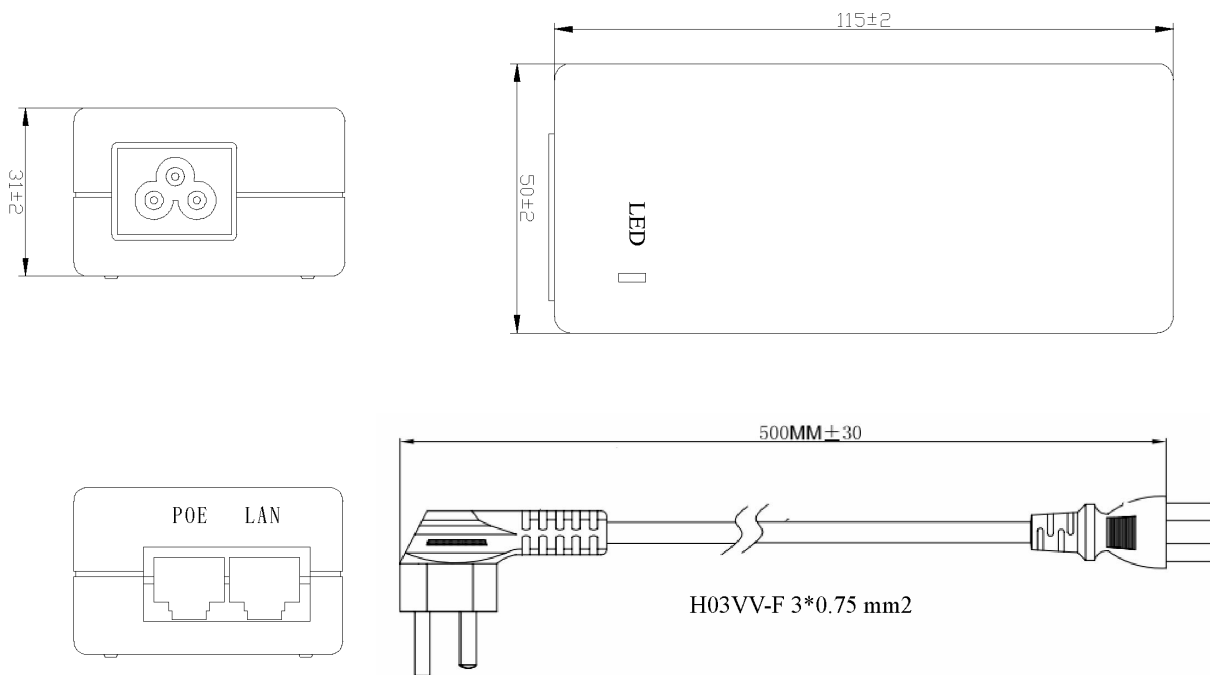
Outputs equipped with short circuit protection and overload protection as per 802.3at specifications. The output can be shorted permanently without damage.

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