

POE Power Sources

Features

- Remotely Power Equipment thru CAT5 Cable up to 100m
- Built in Ethernet and AC Surge Protection
- Autoranging Switching Power Supply
- Short Circuit, Over Current and Over Voltage Protection
- High Power to 56W PoE Output
- 10/100/1000Mb Gigabit Compatible
- High Temperature Operation to 60C
- DIN Rail Mountable



Applications

- Wireless Access Points and Client Devices
- IP Phone and Security Camera Systems

Description

The TP-POE-HP-56G-FBN Power Over Ethernet Power Source offered by Tycon Power Systems is a quality midspan power source for years of reliable operation even in the toughest conditions. They accept data-in to a shielded RJ45 Jack and provide surge protected data-out and power on the shielded RJ45 output jack. They work by supplying power to the remote device on all 8 Ethernet pins. The Ethernet spec supports distances up to 100m (328 feet).

The units are autoranging so that they accept AC inputs from 90VAC to 264VAC (50/60 Hz) and they supply regulated DC Voltage at the output. They have various protections for surge, short circuit, overload and overvoltage. The TP-POE-HP-56G-FBN has an output power of 60watts. The output voltage is 56VDC with load regulation within 5%. The units can be DIN rail mounted.

Device Pinouts

Gigabit Pinout

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data RX+	- Vdc BI_DA+	PWR - Data RX(+)
2	BI_DA-	Data RX-	- Vdc BI_DA-	PWR - Data RX(-)
3	BI_DB+	Data TX+	+ Vdc BI_DB+	PWR+ Data TX(+)
4	BI_DC+	Data RX+	+ Vdc BI_DC+	PWR+ Data RX(+)
5	BI_DC-	Data RX-	+ Vdc BI_DC-	PWR+ Data RX(-)
6	BI_DB-	Data TX-	+ Vdc BI_DB-	PWR+ Data TX(-)
7	BI_DD+	Data RX+	- Vdc BI_DD+	PWR- Data RX(+)
8	BI_DD-	Data RX-	- Vdc BI_DD-	PWR- Data RX(-)

General Specifications

TP-POE-HP-56G-FBN	
AC Input	90-264VAC 47-63Hz
Max Inrush Current (120VAC)	25A
POE Voltage	56VDC @ 1.07A
Output Power	60W Max
Efficiency (min)	80%
Line / Load Regulation	1% / 5%
Ripple / Noise	1% / 2%
POE Compatibility	Passive PoE
Data Compatibility	10/100/1000M , Gigabit Compatible
Protections	Over-Voltage, Short Circuit, Over-Current
Surge Protection (8KV) (IEC 61000-4-2 , Contact)	Ethernet: 8 Pin Common Mode Protection, 16.5V Clamping Voltage 20A (8/20 μ s) Peak Pulse Current, <0.8pF Shunt Capacitance AC Input: Operating voltage = 385VDC, Clamping voltage = 775VDC, Maximum discharge current is 1200A(8/20us)
EMC Standards	FCC Class B EN55022 Class B
Safety Standards	UL1950, CSA 22.2 & TUV EN60950
Environmental Standards	RoHs
Operating Temperature	-40 to +60°C (-40 to +140°F)
Operating Humidity (RH)	5% - 90%
Storage Temperature	-40 to +85°C (-40 to +185°F)
Dimensions	125 x 75 x 38mm (4.9 x 3 x 1.5")
Weight	300g (10.6oz)
Warranty	1 Year

System Ordering:**TP-POE-HP-56G-FBN**

56V 60W High Power Passive PoE Gigabit Power Source with US Power Cord

For further information contact:Tyconpower.com

14641 S 800 W Suite A
Bluffdale, UT 84065
PH: 801-432-0003
FAX: 801-618-4220