

100W POE Power Source

Features

- 100W Power
- 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
- 10/100/1000Mb Compatible
- High Temperature Industrial Operation
- Compact size – Floor / Desktop / Wall Mount



TP-POE-HP High Power

Applications

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

Description

The TP-POE-HP-56G Power Over Ethernet Power Sources offered by Tycon Power Systems are quality Gigabit midspan power sources 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 wires. 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 56VDC at the output. They have various protections for surge, short circuit, overload and overvoltage. They have total power output up to 100W.

Device Pinouts

Gigabit Pinout

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

General Specifications

AC Input	90-264VAC 47-63Hz
POE Output	56VDC 1.8A 100W on all 8 wires
POE Type	Passive
Max Inrush Current (120VAC)	30A
Efficiency (min)	85%
Line / Load Regulation	1% / 5%
Ripple / Noise	1% / 2%
Protections	Over-Voltage, Short Circuit, Over-Current
Surge Protection (+/- 4KV) (IEC 61000-4-2)	Ethernet: 4 Pin (1/2,3/6) Common Mode Protection, 7.5V Clamping Voltage 5.4A (8/20 μ s) Peak Pulse Current, <2pF Shunt Capacitance AC Input: Operating voltage = 385VDC, Clamping voltage = 775VDC, Maximum discharge current is 1200A(8/20us)
Certifications	FCC, CE
EMC Standards	FCC Class B EN55022 Class B
Safety Standards	UL1950, CSA 22.2 & TUV EN60950
Environmental Standards	RoHs
Operating Temperature	-30 to +60°C (-22 to +140°F)
Operating Humidity (RH)	5% - 90%
Storage Temperature	-40 to +80°C (-40 to +176°F)
Case Size	116 x 150 x 41mm (4.6x5.9x1.6")
Weight	454g (16oz)

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems Power Sources carry a 1 year warranty

System Ordering:

TP-POE-HP-56G 56V 100W Very High Power Gigabit POE Power Source with US Power Cord*

*Add an "E" suffix for Euro 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