



DC Input 1U Open Frame 170W Triple output Industrial Switching Mode Power Supply

Series	Model No.	Output Watts	Input Voltage	Input Voltage range	Polarity reverse protection
12	STC-12170T	170W continuous	12V	±9V ~ ± 15V DC	Fuse protected
24	STC-24170T	170W continuous	24V	±18V ~ ±35V DC	Fuse protected
48	STC-48170T	170W continuous	48V	±36 ~ ±70V DC	Fuse protected

ENVIRONMENTAL CONDITIONS:

- ▶ Cooling: Ventilation cooling.
- ▶ Operating Temperature: 0°C~+50°C (Full Load)
- ▶ Operating Humidity: 20%~85% RH. (Non condensing)
- ▶ Storage Temperature: -20°C~+80°C
- ▶ Storage Humidity: 10%~90% RH. (Non condensing)
- ▶ Operating Altitude: 10M Below Sea level to 3000M Above Sea level

DC INPUT CHARACTERISTICS:

- ▶ Input connector type 15A/300V UL Approved 3-Pin Terminal
- ▶ Input Current 10A/ 22A(max.) @Full Load & Low Line
- ▶ Inrush Current Less than 30A Cold start @25°C ambient

DC OUTPUT CHARACTERISTICS:

Output Voltage	Regulation			Output Current						Ripple & Noise
	Load	Line	Cross	170W						
				Min.	Max.					
+5V	±5%	±1%	±5%	0A	15A					50mV
+12V				0A	6A					120mV
-12V				0A	1A					120mV
Total combined output max. 150W12-mV										
Total continuous output power				170W						Wattage

OVERALL PERFORMANCE:

- ▶ Efficiency 75% typical @12V, @24V, @48 DC Full Load.
- ▶ Hold up time
- ▶ Rise time
- ▶ Power Good Signal TTL Compatible signal, on delay 100~500ms, off delay 1ms min.

- ▶ Short Circuit Protection (SCP) All output equipped with SCP (shutdown and latch off)
- ▶ Over Power Protection (OPP) Peak power protected to 130%±10% of continuous rated power (shutdown and latch off)
- ▶ Over Voltage Protection (OVP) +5V & +12V output voltage.

RELIABILITY:

- ▶ MTBF (Mean Time Between Failure): >100,000 hours @max. Load, 12V DC & 25°C ambient
- ▶ Safety Standards: Meet UL60950, TÜV EN60950
- ▶ Safety Approved:
- ▶ EMI Compatibility (EMC) Standard: FCC Part 15 Class B, CISPER22 (EN55022) Class B (CE mark)
- ▶ Dielectric Withstand Input to Output: 1500Vac for 1second, Input to Frame Ground: 1500Vac for 1second
- ▶ Leakage Current <0.05mA @12VDC, 24V DC, 48V DC

Input & Output Device Connector Specific:

Connector type 25A/300V UL Approved 8-Pin Terminal

Power Chassis Dimension:

**172(L) x 98(w) x 40(H) mm
6.77(L) x 3.86(W) x 1.57(H) Inches**

Net Weight:

**1 kgs
2.204 Lbs**

Gross Weight:

**1.5 kgs
3.3 Lbs**

Packing Detail:

8 PCs

Measurement of Carton:

**0.0325 M³
1.15 Cuft**