TECHMA TECHNOLOGY

TCM-1210PS

Switching Power Supply 120W 12VDC - 10A

HIGH RISK INSTALL CAREFULL

Indoor Use Only

TCM-1210PS

Features

- Input: 110V/220V AC; Output: DC 12V 10A max. Output voltage is adjustable 15%. Two sets of output Channel
- Safety features: Automatic overload cut-off, over Voltage cut-off, automatic thermal cut-off, short circuit protection
- Voltage consistency: There is no voltage fluctuations to speak of at power on, during transmit, receive, or at power off
- There is no fan inside the case, silent running. Metal case with many holes makes heat dissipation more efficient
- Great for LED Strips, 3D Printer, ham radio transceiver, CCTV cameras , car subwoofer amp, audio amplifier, wireless router, ADSL Cats, HUB, audio/ video power supply. Indoor use only

Model	TCM-1210PS
Input Voltage	90 - 240VAC
Output Voltage	12 VDC
Current	10 Ampere
Power	120 Watt
Material	Metal case/Alumunium case
Working Temp.	-45 C to 49 C
AC input voltage range	85-132VAC/170-264VAC, selected by switch, 47-63Hz; 240-370VDC
Input current	0.8A/115V, 0.45A/230V
AC inrush current	Cold-start current: 30A/115V, 60A/230V
Leakage current	1mA/240VAC max
Overload protection	105%-150% Type:Foldback current limiting Rest:auto-recovery
Temperature coefficient	±0.03%/°C (0-50°C)
Setup rise hold up time	1s, 15ms, 30ms
Vibration	10-500HZ,2G 10min/1cycle, Periodfor 60min, Each axes
Dielectric strength	1.5KVac, 50/60 Hz for 1 min between input and output
	1.5KVac, 50/60 Hz for 1 min between input and enclosure
	0.5KVac, 50/60 Hz for 1 min between output and enclosure
Isolation resistance	100MΩ min. at 500 VDC
Working temperature humidity	-10°C-60°C (Refer to output characteristic figure), 20%-90%RH
Store temperature humidity	-20°C-85°C, 10%-95%RH
External dimension	199x98x42mm

Note :

1. The testing condition for the above paramenter is : 230VAC input, rated load, 25°C, Humidity 70%RH.
2. Error, include the setting error, line stability and load stability. (Note:5)
3. Wave test : adopting A12 double wire for 20MHZ, and 0.1uF-47uF capacitor short-circuit for interrupting.
4. Inlet voltage stability test : when is over load, the lowest voltage of enter is representative to the highest voltage
5. Load stability test : The load is from 0% to 100%.