

Switching Mode Power Supply 12V/10A

[Model No : SMPS12-10A]



Features:

- . Latest state-of-the-art current mode PWM Controller and MOSFET based design.**
- . Maximum output power of 120W.**
- . High efficiency, High reliability, Low cost.**
- . AC input voltage range 180V ~ 265V AC.**
- . Built-in EMI filter.**
- . Low Ripple and Noise.**
- . Soft start circuit to limit the AC inrush current.**
- . Screw type input and output connectors.**
- . Compact, Light weight.**
- . Momentary output short circuit protection, Over Voltage protection.**
- . 100% Full load burn -in test.**

Specifications:

. Input Characteristics

Input Voltage	180V – 265 VAC
Input Frequency	50 Hz.
Input Connector	3-pin screw type connector
Indications	1) Input Ok – Yellow color LED.
Input Protections	a) 4 Amp, 20mm fast blow, Glass fuse. b) MOV for input over voltage protection.
Filters	EMI/RFI.

. Output Characteristics

Output Voltage	12 VDC
Output Current	10 A
Output Power	120 W
Output Connector	4-pin screw type connector.
Output Indications	a) Output Ok – Green color LED. b) OVP – Red color LED.
Output Protections	Over Voltage Protection
Line Regulation	< + / - 0.5%
Load Regulation	< + / - 0.5%
Ripple and Noise	< + / - 1% P-P.

. Environmental Characteristics

Operating Temperature	55 C at Full Load and 70 C at 60% load.
Cooling	Forced Cooling.
Relative Humidity	95% NC.

. General Characteristics

Efficiency	70%
Hold Time	> 20mSec on full load.
Dimension (L X H X D) mm	(188 X 255 X 96).
Mounting	Wall Mounting.

Note:

- 1) All these parameters are specified at 230V AC input.
- 2) For continuous improvement, specifications are subject to change.