

SMPS 12V/3A WITH BATTERY BACKUP

[Model No: SMPS12B - 3A]



Features:

- . Latest Top switch based design.
- . Maximum output power of 36W.
- . 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 load protection.
- . 100% Full load burn-in test.
- . Built -in battery charging provision.
- . Low battery cut off provision, to prevent the battery Drain condition.
- . Constant current charging for Battery.

Specifications:

. Input Characteristics

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

. Output Characteristics

Output Voltage	12 VDC
Output Current	3 A
Output Power	36 W
Output Connector	2-pin screw type connector.
Battery connector	2-pin screw type connector.
Visible Indications	Ac power - Yellow color LED. Output - Green color LED. Battery - Blue color LED. Low Battery - Red color LED.
Low Battery cut off	10V
Output Protections	Over Load 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	By free air convection
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.