

Linear based Power Supply 12V/3A with battery backup

[Model No: IPS12B - 3A]



Features:

- . Maximum output power of 36W.
- . High efficiency, High reliability, Low cost.
- . AC input voltage range 230VAC, +/- 30V
- . Built-in input over voltage protection.
- . Low Ripple and Noise.
- . Compact, Light weight.
- . Momentary output short circuit 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	230 VAC
Input Frequency	50 Hz.
Input Connector	3-pin plug
Input Protections	a) 1.5Amp, 20mm fast blow, Glass fuse. b) MOV for input over voltage protection.

. Output Characteristics

Output Voltage	12 VDC
Output Current	3A
Output Power	36 W
Output Connector	2-pin screw type connector.
Battery connector	2-pin screw type connector.
Visible Indications (LED)	Ac power - Yellow Output - Green Battery - Blue Low Battery - Red
Low Battery cut off	10V
Output Protections	Over Voltage Protection
Line Regulation	< + / - 0.5%
Load Regulation	< + / - 0.5%
Ripple and Noise	30mVp-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	60%
Dimension (L X H X D) mm	(230 X 300 X 110)mm
Mounting	Wall Mounting

Note:

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

Wiring diagram:

