POWER SUPPLY 12V/10A WITH BATTERY BACKUP - SMPS

Model No: BPS-SA-121007

Unique Features:

- Maximum output power of 60W.
- High efficiency, High reliability, Low cost.
- AC input voltage range 170 - 270V AC
- 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:

All these parametes are specified at 230V AC Input

Input Characteristics

Input Voltage	170-270 VAC
Input Frequency	47 - 63 Hz
Efficiency	88%
AC Current	0.35Amp (230 VAC)
Inrush Current	35 Amp (230 VAC)
Leakeage Current	Less than 3.5mA
Input Connector	3-pin plug

Input Protections

Protected upto 320VAC
SMPS Shutsdown if I/P less than 80VAC, Resumes operation when I/P is Between 80VAC - 270VAC
Between 80 VAC – 170 VAC unit gives O/P in 50 % Power
Thermal Overload : Protected , Auto Recovery.
1.5Amp, 20mm fast blow, Glass fuses.
MOV for input over voltage protection.

Environmental Characteristics

Operating Temperature	-20 to 50DEG C
	70 C at 60% Load
Cooling	Forced cooling
Relative Humidity	20- 90 RH Non Condensing

General Characteristics

Dimension (L X H X D) mm	(232 X 300 X 112)
Mounting	Wall Mounting

Output Characteristics

Output Voltage	12 - 13VDC
Output Current	10A
Output Power	60 W

LED Indications

Ac power	Yellow
Output	Green
Battery	Blue
Low Battery	Red

Output Connector & Battery Connector

2-pin screw type connector.

Protection

Low Battery cut off	10.40V
Output Over Voltage Protected 15VDC	

Regulation

Line Regulation	0.5% (FULL LOAD)
Load Regulation	1% (230VAC I/P)
Ripple and Noise	1 % P-P.

Isolation

I/P - O/P	3000V AC
I/P - Earth	2000V AC
O/P - Earth	1000V AC

Recommended Battery

Battery	Sealed Lead Acid Battery
Quantity	1 Nos
Battery link provide, Fuse Protected	

* For continuous improvement, specifications are subject to change.