

# DATA SHEET

**Model No: SSM 1520**

## **Battery Charger 12V-15V 20A (New and Improved Version).**

### **Features:**

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 300W.
- High efficiency, High reliability, Low cost.
- AC input voltage range 180V ~ 265VAC.
- 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.
- Output short circuit protection, Over voltage protection, Over temperature protection, Reverse Battery protection.
- 100% Full load burn-in test.



Model No: SSM 1520(Ver 1)

## Specifications:

### • Input Characteristics

Input Voltage	180V – 265V AC.
Input Frequency	45 – 60 Hz.
Input Connector	3-pin screw type connector.
Input Protections	a) 4 Amp, 20mm fast blow, Glass fuse. b) MOV, for input over voltage protection.
Filters	EMI/RFI.

### • Output Characteristics

Output Voltage	12V-15V DC.
Output Current	20 A.
Output Power	300 W.
Output Connector	Three 3-pin screw type connector.
Output Indications	a) Output Ok – Green colour LED. Reverse Battery – Red colour LED. b) OVP/OT – Red colour LED c) Battery status: CC – Green colour LED. CV – Red colour LED.
Output Protections	a) 25 A, 32mm fast blow, Glass fuse for Reverse battery protection. b) Over Voltage protection (OVP). Over Temperature protection (OT) 100 °C.
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 W X H) mm	168 X 137 X 68.
Mounting	Panel Mounting.

Note:

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