

# DATA SHEET

**Model No: SSM 3020**

**Battery Charger 24V-30V 20A.**

## Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 600W.
- 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.



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## Specifications:

**• Input Characteristics**

Input Voltage	180V – 265V AC.
Input Frequency	45 – 60 Hz.
Input Connector	3-pin screw type connector.
Input Protections	a) 5 Amp, 20mm fast blow, Glass fuse. b) MOV, for input over voltage protection.
Filters	EMI/RFI.

**• Output Characteristics**

Output Voltage	24V-30V DC.
Output Current	20 A.
Output Power	600 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. 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	215 X 202 X 101.
Mounting	Panel Mounting.

Note:

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