



# Micro Power

SWITCHING MODE POWER SUPPLY

Sanstar Microsystems Private Limited

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## DATA SHEET

Model No: SSM400

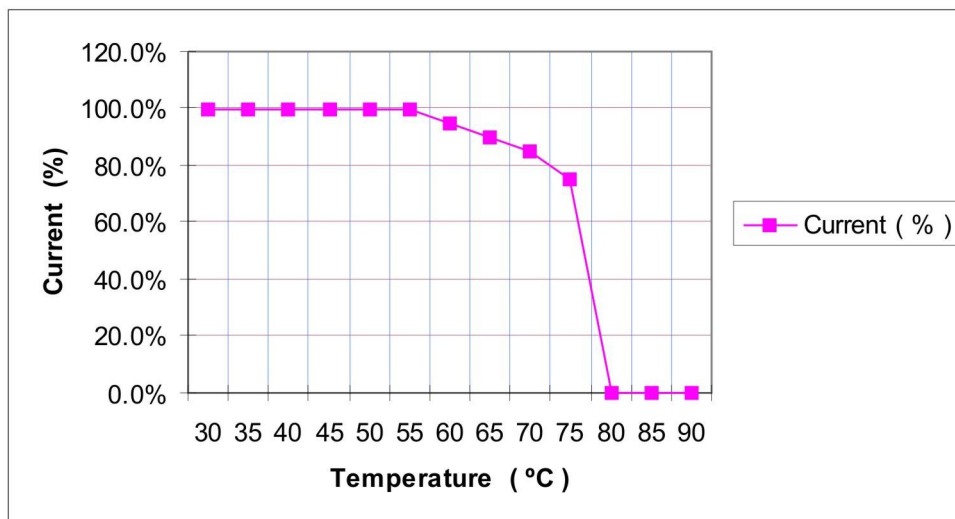
Ordering Code: SSMCB400

### SMPS Cum Battery Charger.

#### Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 60W.
- 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.
- Three pin input power cord.
- Screw type output connectors.
- Compact, light weight.
- Momentary output Short circuit protection, Over voltage protection.
- 100% Full load burn-in test.

#### Derating Curve for SSM400.



## Specifications:

### \* Input Characteristics

Input Voltage	180V - 265 VAC.
Input Frequency	45 - 60 Hz.
Input Connector	3-pin power cord.
Indication	Input Ok - Yellow colour LED.
Input Protections	a) 3Amp, 20mm fast blow, Glass fuse. b) MOV, for input over voltage protection.
Filters	EMI/RFI.

### \* Output Characteristics

Output Voltage	1) 13.8 VDC. 2) 13.25 VDC. 3) 12 VDC. 4) 5 VDC.
Output Current	1) 750 mA. 2) 2 A. 3) 1.2 A. 4) 750 mA.
Max. Output Power	60 W Max.
Output Connectors	Screw type connectors.
Output Indications	a) Output Ok - Green colour LED for each output. b) Battery ON -Yellow colour LED. c) Low Battery - Red colour LED.
Output Protection	Over Voltage 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.
Maximum Temperature Rise	50°C
Cooling	Forced Cooling.
Relative Humidity	95% NC.

### \* General Characteristics

Efficiency	70%.
Hold Time	> 20mSec on full load.
Dimension (L X W X H) mm	230 X 100 X 60.
Mounting	Panel Mounting.

Note:

- 1) All these parameters are specified at 230V AC input.
- 2) For continuous improvement, specifications are subject to change without prior intimation.