

# Sanstar Microsystems Private Limited

EL-15, Electronic Zone, M.I.D.C,  
Hingna Road, Nagpur 440-016 (India).  
Mobile: 9823315380,  
9765557595, 9765557597.  
Telefax: +91(7104)232292, 235216.  
E-mail : [sales@sanstarindia.com](mailto:sales@sanstarindia.com).



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## DATA SHEET

**Model No: SSM1206 (Nano Series)**

**Ordering Code: SSMCS1206 (Nano Series)**

**Switching Mode Power Supply 12V 6A.**

### Features:

- Transistoried PWM Controller and MOSFET based design.
- Maximum output power of 72W.
- High efficiency, High reliability, Low cost.
- AC input 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.
- Momentary output short circuit protection, Over voltage protection.
- 100% Full load burn-in test.

## Specifications:

### \* Input Characteristics

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

### \* Output Characteristics

Output Voltage	12 VDC.
Output Current	6 A.
Max. Output Power	72 W.
Output Connector	2-pin screw type connector.
Output Indication	Output Ok – Green 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	By free air convection.
Relative Humidity	95% NC.

### \* General Characteristics

Efficiency	70%.
Hold Time	> 20mSec on full load.
Dimension (L X W X H) mm	110 X 75 X 55.
Mounting	Panel Mounting/Table Top.

#### Note:

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