



# Micro Power

SWITCHING MODE POWER SUPPLY

Sanstar Microsystems Private Limited

EL-15, Electronic Zone, M.I.D.C,  
Hingna Road, Nagpur 440-016 (India).

Mobile: 9823315380,  
9765557595, 9765557597.

Telefax: +91 (07104) 232292, 235216.

E-mail: [sales@sanstarindia.com](mailto:sales@sanstarindia.com).

## DATA SHEET

Model No: 210375DCDC1204

Ordering Code: 210375DCDC1204

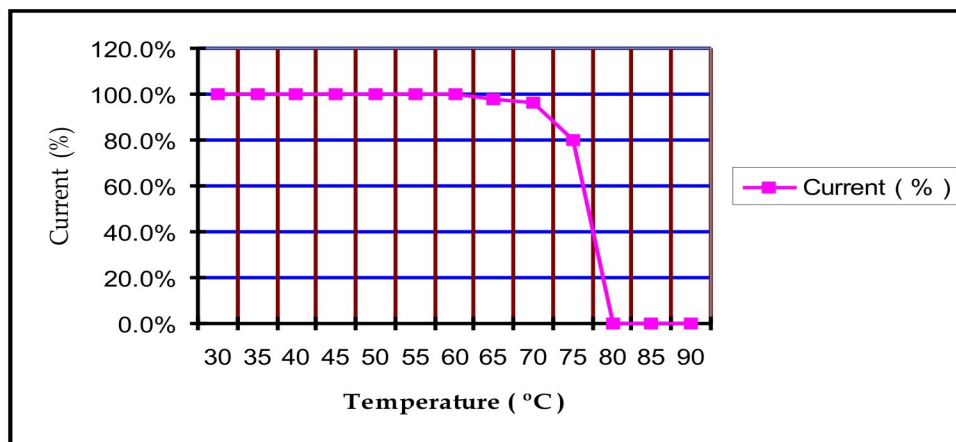
DC-DC Converter Model

Input 210 - 375 VDC: Output 12 VDC @ 04 A.

### Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 50W.
- High efficiency, High reliability, Low cost.
- DC input voltage range 210V - 375V DC.
- Low Ripple and Noise.
- Screw type input and output connectors.
- Compact, light weight.
- Momentary output short circuit protection, Over voltage protection.
- 100% Full load burn-in test.

### Derating Curve for 210375DCDC1204.



## Specifications:

### \* Input Characteristics

Input Voltage	210V - 375V DC.
Input Connector	3-pin screw type connector.
Input Protections	a) Fuse 2 Amp, 20 mm fast blow, Glass. b) MOV for input over voltage protection. c) Thermister, for inrush current, depending on DC input source (Battery or rectified supply).

### \* Output Characteristics

Output Voltage	12 VDC.
Output Current	04 A.
Max. Output Power	50 W.
Output Connector	2-pin screw type connector.
Output Indication	Output Ok - Green colour LED.
Output Protection	Over voltage protection.
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	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 105 X 50.
Mounting	Panel Mounting.

Note:

- 1) All these parameters are specified at 325V DC input.
- 2) For continuous improvement, specifications are subject to change without prior intimation.