



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.

DATA SHEET

Model No: 210375DCDC1220

Ordering Code: 210375DCDC1220

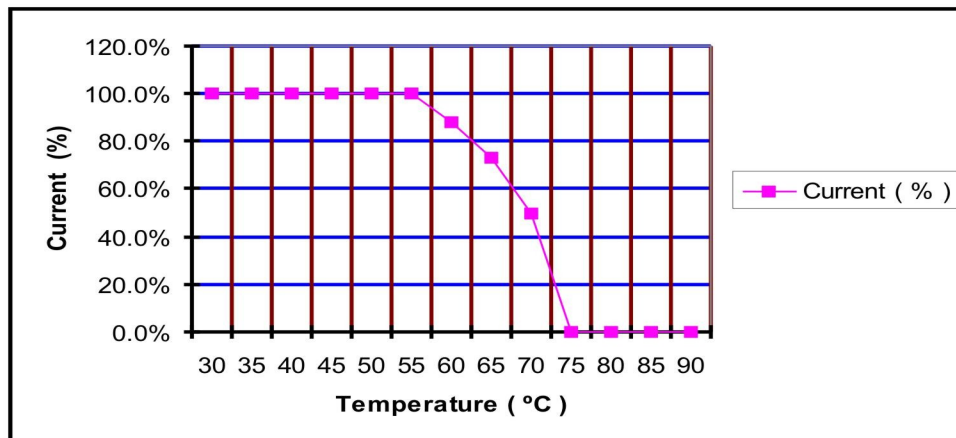
DC-DC Converter Model

Input 210 - 375 VDC: Output 12 VDC @ 20 A.

Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 250W.
- 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 210375DCDC1220.



Specifications:

* Input Characteristics

Input Voltage	210V - 375V DC.
Input Connector	3-pin screw type connector.
Indication	Input Ok - Yellow colour LED.
Input Protections	a) Fuse 4 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	20 A.
Max. Output Power	250 W.
Output Connectors	Two 2-pin screw type connectors.
Output Indications	a) Output Ok - Green colour LED. b) OVP - Red 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	Force Cooling.
Relative Humidity	95% NC.

* General Characteristics

Efficiency	70%.
Hold Time	> 20mSec on full load.
Dimension (L X W X H) mm	195 X 130 X 100.
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.