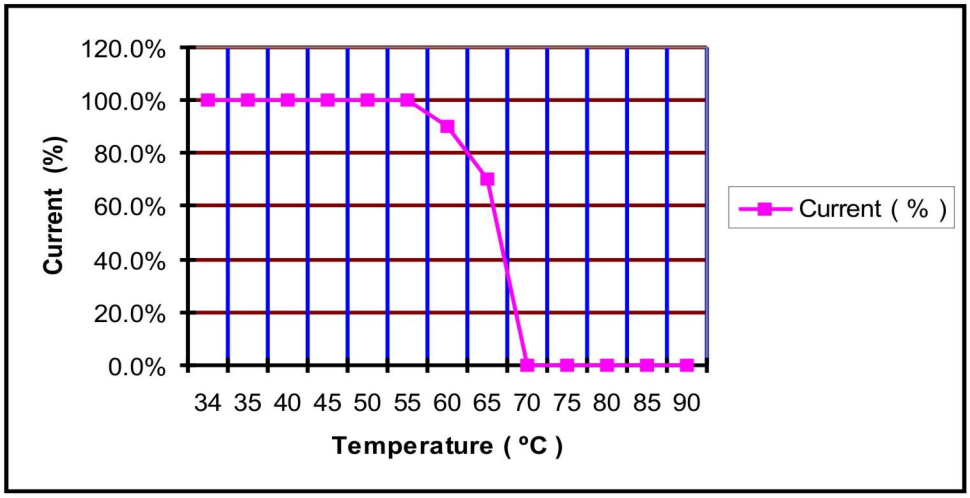
Micro Power
SWITCHING MODE POWER SUPPLY
Sanstar Microsystems Private Limited
EL-15, Electronic Zone, M.I.D.C,
Hingna Road, Nagpur 440-016 (India).
Mobile: 9823315380,
9765557595, 9765557597.
Telefax: +91 (07104) 232292, 235216.
E-mail: sales@sanstarindia.com.

DATA SHEET
Model No: 210375DCDC4810
Ordering Code: 210375DCDC4810

DC-DC Converter Model
Input 210 – 375 VDC: Output 48 VDC @ 10 A.

Features:
- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 500W.
- 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 210375DCDC4810.



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 5 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	48 VDC.
Output Current	10 A.
Max. Output Power	500 W.
Output Connectors	Two 3-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	235 X 195 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.