

# DATA SHEET

## DC-DC Converter Model Input 210 - 375 VDC: Output 12 VDC@ 4 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.

### Specifications:

#### • Input Characteristics

Input Voltage	210V – 375V DC.
Input Connector	3-pin screw type connector.
Indications	
Input Protections	a) 2 Amp, 20mm fast blow, Glass fuse. 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	4 A.
Output Power	50 W.
Output Connector	2-pin screw type connector.
Output Indications	a) Output Ok – Red colour LED.
Output Protections	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.