

# Switching Mode Power Supply 24V/2A

[ Model No: SMPS24-2A ]



## Features:

- . Latest Top Switch based design.
- . Maximum output power of 48W.
- . High efficiency, High reliability, Low cost.
- . AC input voltage range 180V ~ 265V AC.
- . 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 load protection.
- . 100% Full load burn-in test.

## **Specifications:**

### **. Input Characteristics**

<b>Input Voltage</b>	<b>180V – 265 VAC</b>
<b>Input Frequency</b>	<b>50 Hz.</b>
<b>Input Connector</b>	<b>3 Core cable I/P.</b>
<b>Input Protections</b>	<b>a) 3 Amp, 20mm fast blow, Glass fuse. b) MOV for input over voltage protection.</b>
<b>Filters</b>	<b>EMI/RFI.</b>

### **. Output Characteristics**

<b>Output Voltage</b>	<b>24 VDC</b>
<b>Output Current</b>	<b>2 A</b>
<b>Output Power</b>	<b>48 W</b>
<b>Output Connector</b>	<b>2 Core cable O/P.</b>
<b>Output Indications</b>	<b>a) Output Ok – Red Color LED.</b>
<b>Output Protections</b>	<b>Over load Protection</b>
<b>Line Regulation</b>	<b>&lt; + / - 0.5%</b>
<b>Load Regulation</b>	<b>&lt; + / - 0.5%</b>
<b>Ripple and Noise</b>	<b>&lt; + / - 1.5% P-P.</b>

### **. Environmental Characteristics**

<b>Operating Temperature</b>	<b>55 C at Full Load and 70 C at 60% load.</b>
<b>Cooling</b>	<b>By free air convection</b>
<b>Relative Humidity</b>	<b>95% NC.</b>

### **. General Characteristics**

<b>Efficiency</b>	<b>70%</b>
<b>Hold Time</b>	<b>&gt; 20mSec on full load.</b>
<b>Dimension (L X H X D) mm</b>	<b>( 150 X 108 X 56 )</b>
<b>Mounting</b>	<b>Wall Mounting</b>

### **Note:**

- 1) All these parameters are specified at 230V AC input.**
- 2) For continuous improvement, specifications are subject to Change.**