

# Technical Specifications of SMPS

## Electrical Characteristics

**12V, 18A**

- |                               |               |
|-------------------------------|---------------|
| 1. Input Voltage              | 100 – 270V AC |
| 2. Output Voltage             | 12 V DC       |
| 3. Output Current             | 18A           |
| 4. Leakage Current @ 230 V ac | < 2mA         |
| 5. Line regulation            | < 1%          |
| 6. Load regulation            | < 1%          |
| 7. Ripple content             | 150mV p-p     |
| 8. Dielectric strength:       |               |
| Between Input & Output        | 2 kV AC       |
| Between Input & Earth         | 1.5kV AC      |
| Between Output & Earth        | 1.5kV AC      |

## Protections

- |                            |                                      |
|----------------------------|--------------------------------------|
| 1. Inrush current          | Limited by NTC Thermister            |
| 2. Over voltage at Input   | Shut down above 300V AC              |
| 3. Under voltage at Input  | Cutoff at 100V AC. Cut in at 120V AC |
| 4. Short circuit at Output | Protected                            |
| 5. Overload at Output      | Protected                            |

## Other Features

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|----------------|----------|
| 1. Indications | Power ON |
|----------------|----------|

## Mechanical

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|-------------------------|-------------------------|
| 1. Type of mounting     | Table Top               |
| 2. Dimensions W x D x H | Depending upon wattage. |

## Environmental

- |                                |              |
|--------------------------------|--------------|
| 1. Operating Temperature       | 0 – 50 Deg.C |
| 2. Operating Relative Humidity | 0 – 80% Max. |
| 3. For Internal Use[IP22]      |              |