

## SWITCH MODE POWER SUPPLY (SMPS)

### TECHNICAL SPECIFICATION

#### MODEL

EES48V30A

#### INPUT

I/P 230V AC, 1-Ph  
Frequency 47-63Hz  
Range 180-270V AC  
Fuse Protection. Yes  
I/P MOV Yes  
Soft Start Yes  
Inrush current 23A@230V AC  
AC Current  
Leakage Current <5mA@230V AC

#### OUTPUT

Nominal Voltage 48V DC  
Voltage Range 45-50V  
Rated Current 30A  
Line Regulation +/- 1%  
Load Regulation +/- 1%  
Ripple Max (P-P) +/- 1%  
Noise Max (P-P) +/- 1%  
Protections

- a) Overload Protection auto recovery type:102-105%
- b) Short circuit protection auto recovery type:Yes
- c) Over Voltage Protection Latching type:105-110%
- d) Over temperature auto recovery type:80°C ± 5 degrees

Current Limit. Yes  
Start up time 6.5sec  
Hold up time 28ms@230V AC

#### ENVIRONMENTAL

Operating temperature upto 50<sup>0</sup> C.  
Humidity < 95% Rh  
IP 21 Protection

#### GENERAL

Built in Power Factor Correction- 0.99  
Parallable (active current sharing) and series able  
Isolation

Input to Output – 1.5KV  
Input to Earth – 1.5KV  
Output to Earth- 500V  
50K Hrs to MIL  
87%

MTBF  
Efficiency  
Potential Free Contact – Alarm contact

#### INDICATIONS LED

- a) Input OK – Green LED
- b) Output OK-Green LED
- c) Input Under or Over Voltage(U/O)-Red LED
- d) Output Over Voltage(OVP)-Red LED
- e) Output Over Load(O/L)-Red LED
- f) Over Temp(O/T)-Red LED
- g) Output Short (S/B)-Red LED

#### MECHANICAL

Dimension 290W X 340D X 100H mm  
Cooling type Fan cooled – exhaust  
Weight 6 Kgs

#### OPTIONAL

Redundancy by external diode.  
Programmable by external signal – voltage & current  
Remote ON/OFF  
With Digital Voltmeter & Current meter