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

ENVIRONMENTAL

Operating temperature upto 50° C.
Humidity < 95% Rh
IP 21 Protection

GENERAL

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

MTBF

Efficiency 87%
Potential Free Contact – Alarm contact

INDICATIONS LED

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

- 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