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## SWITCH MODE POWER SUPPLY (SMPS)

### TECHNICAL SPECIFICATION

#### MODEL

EES48V10A

#### 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 92A@230V AC  
AC Current  
Leakage Current <5mA@230V AC

#### OUTPUT

Nominal Voltage 48V DC  
Voltage Range 48-60V  
Rated Current 10A  
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%  
Current Limit. Yes  
Start up time 3sec  
Hold up time 35ms@230V AC

#### ENVIRONMENTAL

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

#### GENERAL

Isolation Input to Output – 1.5KV  
Input to Earth – 1.5KV  
Output to Earth- 500V  
MTBF 50K Hrs to MIL  
Efficiency 85%

#### INDICATIONS LED

a) Input OK  
b) Output OK  
c) Output OVP

#### MECHANICAL

Dimension 235W X 195D X 100H mm  
Cooling type Fan cooled – exhaust  
Weight 3 Kgs

#### OPTIONAL

Redundancy by external diode.  
Potential Free Contact – Alarm contact  
Programmable by external signal – voltage & current  
Remote ON/OFF  
With Digital Voltmeter & Current meter  
Over Temperature Protection