

## SWITCH MODE POWER SUPPLY (SMPS)

### TECHNICAL SPECIFICATION

#### MODEL

EES12V4A

#### INPUT

I/P	230V AC, 1-Ph
Frequency	47-63Hz
Range	90-270V 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	12V DC
Voltage Range	10-15V
Rated Current	4A
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	750ms
Hold up time	37ms@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	75%

#### INDICATIONS LED

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

#### MECHANICAL

Dimension	135W X 90D X 50H mm
Cooling type	Natural
Weight	0.5 Kg

#### OPTIONAL

Redundancy by external diode.