

SWITCH MODE POWER SUPPLY (SMPS)

TECHNICAL SPECIFICATION

MODEL	EES12V10A
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	46A@230V AC
AC Current	
Leakage Current	<5mA@230V AC
OUTPUT	
Nominal Voltage	12V DC
Voltage Range	12-15V
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	2.8sec
Hold up time	28ms@230V AC
Transient response	
ENVIRONMENTAL	
Operating temperature upto 50 ⁰ 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	195W X 130D X 95H mm
Cooling type	Fan cooled – exhaust
Weight	1.4 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	