

## SWITCH MODE POWER SUPPLY (SMPS)

### TECHNICAL SPECIFICATION

<b>MODEL</b>	EES5V20A
<b>INPUT</b>	
I/P	230V AC, 1-Ph
Frequency	47-63Hz
Range	180-270V AC
Fuse Protection	Yes
I/P MOV	Yes
Soft Start	Yes
AC Current	
Inrush current	46A @230V AC
Leakage current	< 5mA@230V AC
<b>OUTPUT</b>	
Nominal Voltage	5V DC
Voltage Range	5-5.3V
Rated Current	20A
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
<b>ENVIRONMENT</b>	
Operating temperature upto 50 <sup>o</sup> C.	
Humidity	< 95% Rh
IP 21 Protection	
<b>GENERAL</b>	
Isolation	Input to Output – 1.5KV Input to Earth – 1.5KV Output to Earth- 500V
MTBF	50K Hrs to MIL
Efficiency	70%
<b>INDICATIONS LED</b>	a) Input OK b) Output OK c) Output OVP
<b>MECHANICAL</b>	
Dimension	195W X 130D X 95H mm
Cooling type	Fan cooled – exhaust
Weight	1.4 Kgs
<b>OPTIONAL</b>	
Redundancy by external diode.	
Potential Free Contact – Alarm contact	
Programmable by external signal – voltage & current	
Remote ON/OFF	
With Digital Voltmeter & Current meter	