

SWITCH MODE POWER SUPPLY (SMPS)

TECHNICAL SPECIFICATION

MODEL

EES12V20A

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 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

ENVIRONMENTAL

Operating temperature upto 50⁰ 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