

AC TO DC POWER SUPPLIE

SPECIFICATION

MODEL

PS2450A

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 23A@230V AC
 AC Current
 Leakage Current <5mA@230V AC

OUTPUT

Nominal Voltage 24V DC
 Voltage Range 24-30V
 Rated Current 50A
 Line Regulation +/- 1%
 Load Regulation +/- 1%
 Ripple Max +/- 1% (P-P)
 Noise Max +/- 1% (P-P)
 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%
- d) Over temperature auto recovery type:80°C ± 5 degrees

Current Limit. Yes
 Start up time 6.5sec
 Hold up time 28ms@230V AC
 Transient response --

ENVIRONMENTAL

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

GENERAL

Built in Power Factor Correction- 0.99
 Parallable (active current sharing) and seriesable
 Isolation Input to Output – 1.5KV
 Input to Earth – 1.5KV
 Output to Earth- 500V
 MTBF 50K Hrs to MIL
 Efficiency 87%

Potential Free Contact – Alarm contact

INDICATIONS LED

- a) Input OK – Green LED
- b) Output OK-Green LED
- c) Input Under or Over Voltage(U/O)-Red LED
- d) Output Over Voltage(OVP)-Red LED
- e) Output Over Load(O/L)-Red LED
- f) Over Temp(O/T)-Red LED
- g) Output Short (S/B)-Red LED

MECHANICAL

Dimension 290W X 340D X 100H mm
Cooling type Fan cooled – exhaust ??
Weight 6 Kgs

OPTIONAL

Redundancy by external diode.
Programmable by external signal – voltage & current
Remote ON/OFF
With Digital Voltmeter & Currenmeter