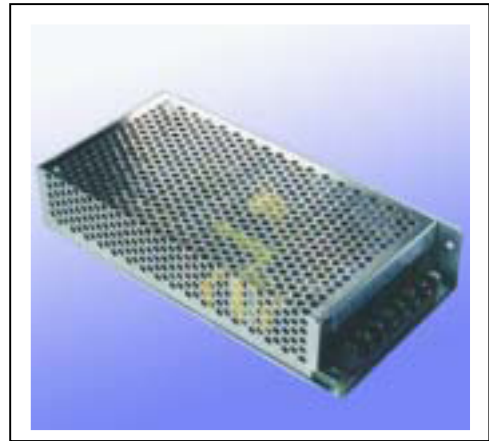


## ■Features:

- AC input range selectable by switch
- Protections: Short circuit/Over load/Over voltage
- Fixed switching frequency at 25KHz
- Approvals:UL/CUL/TUV/CB/CE
- Cooling by free air convection
- 100% full load burn-in test



## SPECIFICATION

MODEL		PS-100-5	PS-100-12	PS-100-24	PS-100-48				
OUTPUT	DC VOLTAGE	5V	12V	24V	48V				
	RATED CURRENT	20A	8.5A	4.5A	2.0A				
	CURRENT RANGE	0 ~20A	0~8.5A	0~4.5A	0~2.0A				
	RATED POWER	100W	100W	100W	100W				
	RIPPLE & NOISE (max.)	100mV	100mV	100mV	100mV				
	VOLTAGE ADJ.RANGE	±2%	±2%	±2%	±2%				
	VOLTAGE TOLERANCE	±2%	±1%	±1%	±1%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION	±1%	±1%	±1%	±1%				
SETUP,RISE,HOLD TIME	200ms , 80ms , 20ms at full load and 230VAC								
INPUT	VOLTAGE RANGE	85 ~132VAC ; 180 ~264VAC selectable by switch							
	FREQUENCY RANGE	47~63HZ							
	EFFICIENCY(TYP.)	70%	78%	80%	81%	81%	84%	84%	84%
	AC CURRENT								
	INRUSH CURRENT (max.)	Cold start current 30 A / 115VAC 60A / 230VAC							
LEAKAGE CURRENT	≤0.5mA								
PROTECTION	OVER LOAD	105%~150% shut off , AC recycle to re-start (ESP-100-7.5: 150% ~200%) Protection type: Constant current limiting, recovers automatically after fault condition is removed							
	OVER VOLTAGE	115%~135% rated output voltage Protection type: Shut down O/P voltage, re-power on to recover							
ENVIRONMENT	WORKING TEMP.	-10 °C ~60°C (refer to output derating curve)							
	WORKING HUMIDITY	20 ~90%RH non-condensing							
	STORAGE TEMP,HUMIDITY	-20 °C ~+85°C, 10% ~95% RH							
	VIBRATION	10 ~500Hz, 2G 10min./1cycle, 60min. each along X,Y,Z axes							
SAFETY & EMC	SAFETY STANDARDS	UL1012 approved							
	WITHSTAND VOLTAGE	I/ P-O/P:1.5KVAC, I/P-FG :1.5KVAC, 1minute							
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC							
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) Class B							
	HARMONIC CURRENT	Compliance to EN61000-3-2, -3							
	EMS IMMUNITY	Design refer to FCC part 15 J							
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F(25 °C)							
	DIMENSION	199*98*42mm(L*W*H)							
	PACKING	0.65Kg; 20pcs/13.6Kg / 0.8CUFT							
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> </ol>								