



**Technical Details**

- True Sine Wave Output (THD < 3%)
- Remote Control Switch On/Off
- Input & Output Fully Isolation
- Load Control Cooling Fan
- Advanced Microprocessor
- Input Polarity Reverse / Under Voltage / Over Voltage Protections
- Output Short Circuit / Overload / Over Temperature Protections
- Tri-color Indicators Display Input, Output Level & Failure Status



<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
USA	AUSTRALIA	UNIVERSAL	U.K	FRANCE	GERMANY



	MODEL No.	PSN500-112	PSN500-124	PSN500-148	PSN500-212	PSN500-224	PSN500-248
<b>OUTPUT</b>	AC VOLTAGE	100 / 110 / 120VAC			220 / 230 / 240 VAC		
	RATED POWER	500W					
	SURGE POWER	1000W					
	WAVEFORM	True sine wave (THD < 3%)					
	FREQUENCY	50 / 60 Hz					
	AC REGULATION	± 3%					
	POWER FACTOR ALLOWED	COSθ-90° ~ COSθ+90°					
	STANDARD RECEPTACLES	NEMA5-15R / GFCI			Schuko / UK / Australia / Universal		
	LED INDICATOR	Input voltage level, output load level and fault status					
	<b>INPUT</b>	NO LOAD CURRENT DRAW	1.45A	0.75A	0.40A	1.40A	0.70A
STAND-BY CURRENT DRAW		0.28A	0.15A	0.09A	0.28A	0.15A	0.09A
DC VOLTAGE		12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
VOLTAGE RANGE		10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC
EFFICIENCY (Typ.)		88.0%	91.0%	92.0%	90.0%	93.0%	94.0%
FUSE		10A x 5	10A x 4	10A x 3	10A x 5	10A x 4	10A x 3
<b>PROTECTION</b>	REMOTE CONTROL UNIT	Less than 0.1W					
	BAT. LOW ALARM	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
	BAT. LOW SHUTDOWN	10.5VDC	21.0VDC	42.0VDC	10.5VDC	21.0VDC	42.0VDC
	OVER LOAD	Shut off output voltage, re-power on to recover					
	OVER VOLTAGE	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	OVER TEMPERATURE	Shut off output voltage, recovers automatically after temperature goes down					
<b>ENVIRONMENT</b>	OUTPUT SHORT	Shut off output voltage, re-power on to recover					
	BAT. POLARITY	By fuse open					
	WORKING TEMP.	0 ~ +40°C					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
<b>SAFETY &amp; EMC</b>	STORAGE TEMP. HUMIDITY	-30°C ~ +70°C / -22° F ~ +158° F / 10~95%					
	SAFETY STANDARDS	Meet ISO9001, CE, FCC			-----		
	ISOLATION RESISTANCE	I/P ~ O/P: 100M Ohms / 500VDC					
	EMI CONDUCTION & RADIATION	Compliance to FCC class A			Compliance to EN55022 class A		
	EMS IMMUNITY	-----			Compliance to EN61000-3 -2, 3		
	LVD	-----			Compliance to EN60950-1		
<b>OTHERS</b>	DIMENSION	210 x 150 x 70mm (L x W x H)					
	PACKING	2.8kgs; 6sets / 15kgs / CARTON					
	COOLING	Loading controlled cooling fan					
	APPLICATION	Home and Office appliances, Power tools and Portable equipments, Vehicle, Yacht and Solar power systems ...etc.					