



KOSUNPOWER

# KOSUN 500W Pure Sine Wave Power Inverter



MODEL		RS500P-112	RS500P-124	RS500P-148	RS500P-212	RS500P-224	RS500P-248
OUTPUT	RATED POWER	500W					
	SURGE POWER	1000W					
	AC VOLTAGE	Factory setting set at 100V/110V/120V AC			Factory setting set at 220V/230V/240V AC		
	FREQUENCY	50Hz/60Hz optional					
	WAVE FORM	True sine wave(THD<3%) at rated input voltage					
	AC REGULATION	±10%					
	STANDARD RECEPTACLES	Schuko/UK/Australia/Universal/USA/France/JP/Brazile					
	FRONT PANEL INDICATOR	Operation and fault status					

INPUT	BAT.VOLTAGE	12V	24V	48V	12v	24V	48V
	VOLTAGE RANGE	9.8-16.2VDC	19.7-32.3VDC	39.5-63.5VDC	9.8-16.2VDC	19.7-32.3VDC	39.5-63.5VDC
	DC CURRENT	50A	25A	12.5A	50A	25A	12.5A
	NO LOAD CURRENT DRAW	<0.32A	<0.25A	<0.12A	<0.32A	<0.25A	<0.12A
	EFFICIENCY	89%	>90%	92%	88%	90%	91%
	BATTERY TYPES	Recommend use LiFePO4 & sealed lead acid battery					
BATTERY INPUT PROTECTION	BAT.LOW ALARM	10.5±0.2V	21±0.3V	42±0.5V	10.5±0.2V	21±0.3V	42±0.5V
	BAT.LOW SHUTDOWN	10.2±0.2V	20±0.3V	40±0.5V	10.2±0.2V	20±0.3V	40±0.5V
	BAT.OVER SHUTDOWN	16±0.2V	32±0.3V	64±0.5V	16±0.2V	32±0.3V	64±0.5V
	REVERSE POLARITY	yes					
OUTPUT PROTECTION	OVER TEMPERATURE	≥45°C or ≥60% rated power, cooling fan open; ≥70°C, Shut off.					
		Protection type : Shut down o/p voltage, re-power on to recover; by internal Thermistor detect on heatsink of power transistor					
	OUTPUT SHORT	Protection type: Shut down o/p voltage; re-power on to recover					
	OVER LOAD	Soft start					
		100%-120% rated load for 10 sec.					
ENVIRONMENT	WORKING TEMP.	-15°C ~ +40°C @100% load; 60°C @50% load					
	WORKING HUMIDITY	20%~90% RH non-condensing					
	STORAGE TEMP.	30 ~ +70°C / 22 ~ +158°F					
	STORAGE HUMIDITY	10%~95% RH non-condensing					
SAFETY	CE	Compliance to EN55032					
	LVD	Compliance to EN60950-1					
	ROHS	Compliance to EN50581					
	E-MARK	E13					
	OTHERS	ISO9001/IATF16949/BSCI					
	UL test	Test report No.C 8 1 1 5 2072 ; UL order No.1 3 5 8 2 0 0 7					
	REACH	No.:1907/2006					
certificate of registration	IATF 16949:2016	111458/A/0001/SM/En					
OTHERS	USB port	5V/2.1A					
	DIMENSION L*W*H(mm)	160*150*70					
	PACKING(cm)	42*34*44 ;6pcs/CTN,18KG					