

### Datasheet inverter 1500W

KOSUN good quality dc to ac 1500W pure sine wave inverter with charger for the UPS energy supply with multi protections and functions, the UPS priority mean that the AC input of the inverter is continually monitored. Whenever AC power falls, the inverter automatically transfers back to the ECO mode with minimum power uninterrupted to your appliances as long as the inverter is turned on. The transfer time is usually fast enough to keep your equipment (including computers) powered up. The time will be less than 16 milliseconds. The 1500W hybrid inverters produce with the strict test and advanced materials passed various test such as vibration test, high & low temperature alternating test, salty spray test and so on to keep the stable functions. The reliable quality UPS inverter will make good impression for the customers.

#### Product parameter(Specification) of the 1500W pure sine wave inverter with charger

New Series Pure Sine Wave Inverter

★★★★★ Highly recommended products



- Pure sine wave output(THD<3%);
- High surge power up to 2 times of real loading power;
- Loading 1.5times rated power for 10s,2times for 2s;
- High efficiency up to 92%;
- Power ON-OFF switch;
- Soft start;
- Built-in fuse;
- More stable working functions with TP56 safety terminals
- Front panel indicator for operation status;
- Thermostatically and load controlled cooling fan;
- Protections:Bat. low alarm/Bat. low shutdown/Bat. over shutdown/output short/input reverse protection/overload/over Temp.

MODEL		RSC1500P-112	RSC1500P-124	RSC1500P-148	RSC1500P-212	RSC1500P-224	RSC1500P-248	
<b>OUTPUT</b>	RATED POWER	1500W						
	SURGE POWER	3000W						
	AC VOLTAGE	Factory setting set at 100V/110V/120V AC			Factory setting set at 220V/230V/240V AC			
	FREQUENCY	50Hz/60Hz optional						
	WAVE FORM	Pure 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						
<b>INPUT</b>	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	150A	75A	37.5A	150A	75A	37.5A	
	NO LOAD CURRENT DRAW	<0.8A	<0.65A	<0.55A	<0.8A	<0.65A	<0.55A	
	EFFICIENCY	89% >90%		92%	88%		90%	91%
	BATTERY TYPES	Recommend use Open & sealed lead acid battery						
<b>BATTERY INPUT PROTECTION</b>	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						
<b>AC INPUT</b>	Nominal voltage/Frequency	115V/60Hz			230V/50Hz			
	Input voltage range	100V-130V AC			180V-260V AC			
	Efficiency full load	92%	90%	88%	87%	89%	91%	
<b>by pass</b>	ATS transfer	The power switch to battery within 2s if the city power cut off.						
<b>DC output</b>	charging current range	20A	10A	5A	20A	10A	5A	
<b>OUTPUT PROTECTION</b>	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	100%-120% rated load for 10 sec. Protection type : Shut down o/p voltage, re-power on to recover; by internal Thermistor detect on heatsink of power transistor						
<b>ENVIRONMENT</b>	WORKING TEMP.	-15°C~+40°C@100% load;60°C @50% load						
	WORKING HUMIDITY	20%-90% RH non-condensing						
	STORAGE TEMP.	-30°C~+70°C						
	STORAGE HUMIDITY	10%-95% RH non-condensing						

MODEL		RSC1500P-112	RSC1500P-124	RSC1500P-148	RSC1500P-212	RSC1500P-224	RSC1500P-248
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)	380*220*90					
	PACKING(cm)	50*30*36 ;2pcs/CTN,14KG					

Product feature and application of the 1500W pure sine wave inverter with charger
<p>①. multi-function conversion socket, in line with the requirements of multiple national electrical appliances.</p> <p>②. 5V 2.1A USB interface More than one mobile phone at the same time leisure, office, entertainment, games and other needs.</p> <p>③. miniature intelligent ball fan, low noise, high heat dissipation.</p> <p>④. Car cigarette lighter socket, easy to connect a variety of trucks, cars, large trucks.</p> <p>⑤. thick double-layer PCB board, more high temperature, voltage, current resistance, product quality, longer life expectancy, quality assurance.</p> <p>⑥. SMT chip technology, the use of wave soldering technology, product components rugged, shock resistant.</p> <p>⑦. auto-transfer switch by pass and battery charger function</p> <p>⑧. protections: Over temperature/over load/short circuit/reverse polarity protection/earth leakage;</p> <p>⑨. Applications:electrical applications like TV/microwave/washing-machine /air-conditioner /hair dryer /oven; electrical vehicles, truck, yacht, outside portable power source for lighting, charging etc.</p>

Product Qualification of the 1500W pure sine wave inverter with charger
<p>A. CE Compliance to EN55032</p> <p>B. RoHS Compliance to EN50581</p> <p>C. LVD Compliance to EN60950-1</p> <p>D. E-Mark E13</p> <p>E. IATF 16949</p> <p>F. REACH/UL/TUV report</p>