



# KOSUN 300W Modified Sine Wave Inverter



- Modified sine wave output;
- 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 90%;
- Power ON-OFF switch;
- Soft start;
- Built-out fuse;
- More stable working functions
- 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.
- 12 months warranty

MODEL		KS300M-112	KS300M-124	KS300M-148	KS300M-212	KS300M-224	KS300M-248	
OUTPUT	RATED POWER	300W						
	SURGE POWER	600W						
	AC VOLTAGE	Factory setting set at 100V/110V/120V AC			Factory setting set at 220V/230V/240V AC			
	FREQUENCY	50Hz/60Hz optional						
	WAVE FORM	Modified sine wave						
	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	9.7-16.4VDC	19.4-32.8VDC	38.8-65.6VDC	9.7-16.4VDC	19.4-32.8VDC	38.8-65.6VDC	
	DC CURRENT	25A	15A	7.5A	25A	15A	7.5A	

	NO LOAD CURRENT DRAW	<0.25A	<0.21A	<0.19A	<0.25A	<0.21A	<0.19A
	EFFICIENCY	89%	>90%	92%	88%	90%	91%%
	BATTERY TYPES	Recommend use Open & sealed lead acid battery					
BATTERY INPUT PROTECTION	BAT.LOW ALARM	10.8±0.3V	21.6±0.6V	43.2±1.2V	10.8±0.3V	21.6±0.6V	43.2±1.2V
	BAT.LOW SHUTDOWN	10±0.3V	20±0.6V	40±1.2V	10±0.3V	20±0.6V	40±1.2V
	BAT.OVER SHUTDOWN	16±0.4V	32±0.8V	64±1.6V	16±0.4V	32±0.8V	64±1.6V
	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	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					
ENVIRONMENT	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 / -22°F ~ +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	B08H52NN2M/ B08H54PCDT/ B08H4TMTJC/ B08H51DTM8					
	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)	120*100*50					
	PACKING(cm)	44*38*34 ;16pcs/CTN,15KG					