

# 6000W Pure Sine Wave Inverter KP6000 series




## Overview

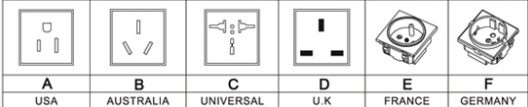
The 6000w pure sine wave inverter convert battery power into AC household power, allow you to run loads up to 6000Watts.

## Features&Benefits:

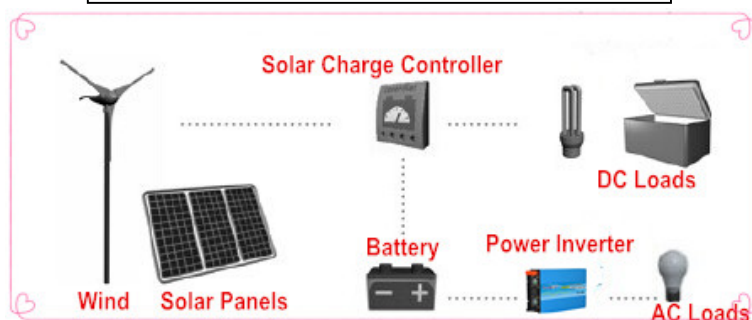
- Rated power:6000W
- Peak power:9000W for 10sec,12000w for 2sec
- Pure sine wave output
- USB port for charging USB devices
- Remote control(Optional)
- Protection: Input reverse polarity/Bat. Low shutdown/Over voltage/Over load/Over temperature/Output short
- Variable speed fan controlled by temperature and load
- One year warranty

## Specification

Items	KP6000-112	KP6000-124	KP6000-148	KP6000-212	KP6000-224	KP6000-248
<b>Electrical Specifications</b>						
Continuous Output Power	6000W	6000W	6000W	6000W	6000W	6000W
Maximum Power(10sec)	9000W	9000W	9000W	9000W	9000W	9000W
Output Power Surge(2sec)	12000W	12000W	12000W	12000W	12000W	12000W
Output Voltage/Frequency	110V,115V,120V/60Hz			220V,230V,240V/50Hz		
Output Mode	Single Phase					
Output Waveform/Distortion	 Pure Sine Wave, THD< 4%					
Efficiency	88%	89%	90%	88%	89%	90%
No Load Current Draw	1.4A	0.7A	0.35A	1.4A	0.7A	0.35A
Input Voltage	12V	24V	48V	12V	24V	48V
Input Voltage Range	10.8– 15.5V	21.6– 31V	43.2– 62V	10.8– 15.5V	21.6– 31V	43.2– 62V
Low battery voltage alarm	10.8±0.2V	21.6±0.4V	43.2±0.8V	10.8±0.2V	21.6±0.4V	43.2±0.8V
Low battery voltage shutdown	10.2±0.2V	20.4±0.4V	40.8±0.8V	10.2±0.2V	20.4±0.4V	40.8±0.8V
High battery voltage shutdown	15.5±0.2V	31±0.4V	62±0.8V	15.5±0.2V	31±0.4V	62±0.8V
Overload protection	Shut down o/p voltage, re-power on to recover					
Over Temperature Shutdown	≥45°C or ≥40% rated power, cooling fan open;≥75°C,Shut off.					
Reverse polarity protection	By external fuse open					
Out Short circuit Shut-down	Protection type : Shut down o/p voltage, re-power on to recover					
<b>General Specifications</b>						
Working Temp, Humidity	-40°C to +45°C, 0% ~ 90% RH non-condensing					
Storage Temp, Humidity	30°C~ +70°C/ -22 ~ +158°F, 10% ~ 95% RH					
5V,500mA/5V,1A USB	Optional	Optional	N/A	Optional	Optional	N/A
Remote Control Switch	Yes	Yes	Yes	Yes	Yes	Yes

AC Output Receptacle	
Cooling fans (thermostatic)	1*Fan
Housing	Blue/Black or customized Aluminium
Ground Chassis	Properly grounds the Inverter to vehicle grounding system or to earth ground.
<b>Variable speed fan controlled by temperature and load</b>	
Fan don't run	Load<40% or inner temperature less than 30°C,
Fan's rotational speed is 40%	40%≤Load<60%
Fan's rotational speed is 60%	60%≤Load<80%
Fan's rotational speed is 80%	80%≤Load<100%
Fan's rotational speed is 100%	100%≤Load or Inner temperature is more than 45°C
<b>Buzzer/LED</b>	
Low Battery Alarm	●-●-○-○-○-○-○-○ Buzzer sound 2times and Red light blink 2times every 8sec.
Low Battery Shutdown	●-●-●-○-○-○-○-○ Buzzer sound 3times and Red light blink 3times every 8sec.
Over Voltage Shutdown	●-●-●-●-○-○-○-○ Buzzer sound 4times and Red light blink 4times every 8sec.
Over temperature Shutdown	●-●-●-●-●-○-○-○ Buzzer sound 5times and Red light blink 5times every 8sec.
Short Circuit/Overload Shutdown	●-●-●-●-●-●-●-● Red light blink constantly
<b>Mechanical Specification</b>	
Unit Dimension/Weight	48*22*15cm(L*W*H),14.5KGS
Master Carton	66*36*27cm(L*W*H),16.5KGS,1piece/CTN
Certificates	CE-EMC,CE-LVD, RoHS
<b>Accessories</b>	
Battery Cable	2x Positive & 2x Negative Terminal to Terminal Connection Cable
Manual	1x Instruction/Specification Booklet
Fuse	20x Replaceable fuse

### How Power Inverter Works



**Kong Solar Co., Ltd.**

Tanjialing Village, Lanjiang Street, Yuyao  
315400, Ningbo City, Zhejiang Prov., China

T: +86 574-22675896

F: +86 574-22675897

W: [www.kongsolar.com](http://www.kongsolar.com)

E: [info@kongsolar.com](mailto:info@kongsolar.com) [sales@kongsolar.com](mailto:sales@kongsolar.com)

we reserve the right to alter product specifications at any time and for any reason without liability.

Copyright. 2014. Kong Solar Co., Ltd.