

2000W Pure Sine Wave Inverter KP2000 series




Overview

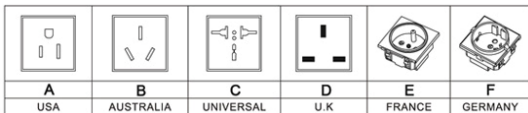
The 2000w pure sine wave inverter convert battery power into AC household power, allow you to run loads up to 2000Watts.

Features&Benefits:

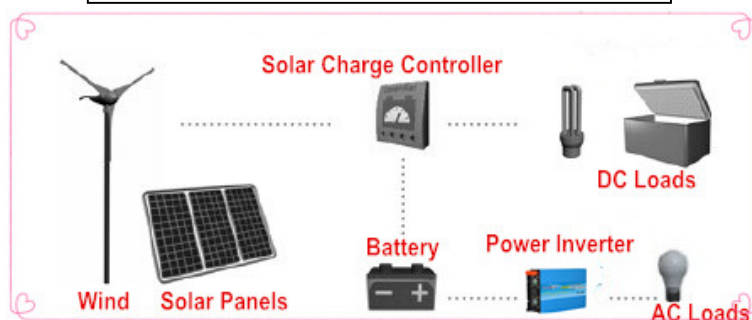
- Rated power:2000W
- Peak power:3000W for 10sec,4000w for 2sec
- Pure sine wave output
- USB port for charging USB devices
- Remote control(Optional)
- Protection: Input reverse polarity/Bat. Low shutdown/Over voltage/Over load/Over temperature/Output short
- Variable speed fan controlled by temperature and load
- One year warranty

Specification

| Items | KP2000-112 | KP2000-124 | KP2000-148 | KP2000-212 | KP2000-224 | KP2000-248 |
|----------------------------------|---|------------|------------|---------------------|------------|------------|
| Electrical Specifications | | | | | | |
| Continuous Output Power | 2000W | 2000W | 2000W | 2000W | 2000W | 2000W |
| Maximum Power(10sec) | 3000W | 3000W | 3000W | 3000W | 3000W | 3000W |
| Output Power Surge(2sec) | 4000W | 4000W | 4000W | 4000W | 4000W | 4000W |
| 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 | 0.68A | 0.34A | 0.17A | 0.68A | 0.34A | 0.17A |
| 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 | | | | | |
| General Specifications | | | | | | |
| 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) | 2*Fan |
| Housing | Blue/Black or customized Aluminium |
| Ground Chassis | Properly grounds the Inverter to vehicle grounding system or to earth ground. |
| Variable speed fan controlled by temperature and load | |
| 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 |
| Buzzer/LED | |
| 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 |
| Mechanical Specification | |
| Unit Dimension/Weight | 32*22*9cm(L*W*H),6.2KGS |
| Master Carton | 45*31*37cm(L*W*H),13.5KGS,2piece/CTN |
| Certificates | CE-EMC,CE-LVD, RoHS |
| Accessories | |
| Battery Cable | 2x Positive & 2x Negative Terminal to Terminal Connection Cable |
| Manual | 1x Instruction/Specification Booklet |
| Fuse | 8x Replaceable fuse |

How Power Inverter Works



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