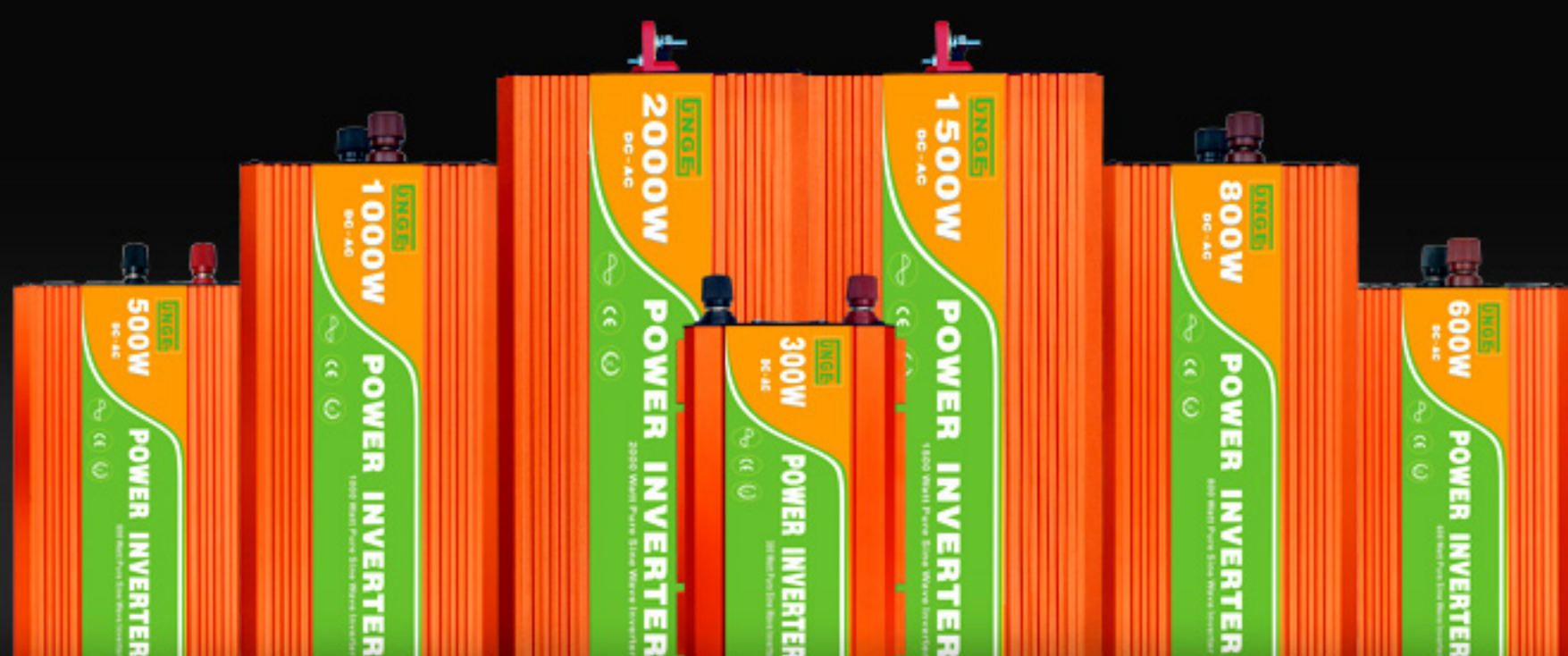


Pure Sine Wave off-grid Inverter

Pure Sine Wave Inverter

Precision build



JINGNENG GREEN,
BOUTIQUE AND EXQUISITE QUALITY

PRODUCT FEATURES

WITH STRONG STABILITY AND HIGH SERVICE LIFE

精能绿能 精品精质

WHAT function SHOULD BE



- ✓ INTELLIGENT IC CONTROL
- ✓ PURE SINE WAVE
- ✓ IMPORTED COMPONENTS
- ✓ WORK INSTRUCTIONS
- ✓ MULTIPLE PROTECTION FUNCTION
- ✓ FAULT WARNING
- ✓ PERFECT SHAPE

01

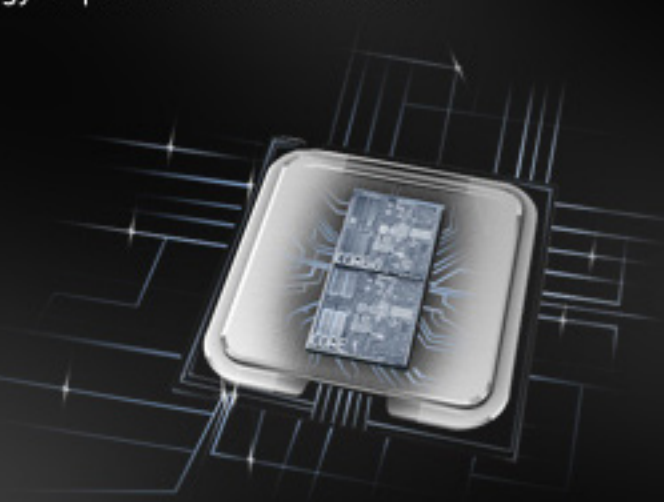
FEATURES

Intelligent IC control

1. Unique front and back double soft start technology
2. Core of CUP and the pulse width control technology of SPWM.
3. Special constant power technology.
4. Technology Of prevent the reverse Diode

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02

FEATURES

Multiple protection function

Overload protection, over current protection, high temperature protection ,short circuit protection , the battery reverse connect protection, battery over voltage and under voltage protection and inbuilt fuse,and so on
Security inverter in use process fully protection and user use electrical appliances



03

FEATURES

Pure sine wave

100% pure sine wave output, low distortion, wave form and mains power line AC waveform base consistent, small precision equipment interference, low noise, strong load capacity, can satisfy any type of AC load, does not damage the load.

Pure sine wave

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[more...](#)



04

FEATURES

Buzzer alarm to remind

When the inverter high pressure, low pressure, over temperature, overload protection function open, once trigger the inverter' s protection , inverter first Time to disconnect the power supply as well as the load enter into the protected mode, and via the buzzer alarm device sends an alarm,make you use more safe

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[more...](#)



05

FEATURES

Work instruction function

Intuitive working status:When inverter under-voltage/over voltage, overload, over temperature, short circuit, the LED indicator lights

Work instruction function

WORK INSTRUCTION FUNCTION

Intuitive working status:
When inverter under-voltage/over voltage, overload,
over temperature, short circuit, the LED indicator lights



06

FEATURES

Double-sided PCB/import zero device

Materials use imported components, panel choose double-sided circuit boards, to ensure the high quality of products, high performance, with detail mold excellent quality

Double-sided PCB/import zero device

DOUBLE-SIDED PCB/IMPORT ZERO DEVICE

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07

FEATURES

Aluminum alloy shell

Using aluminum alloy shell surface sandblasting anodize oxidation treatment, small size, beautiful appearance generous, easy to carry.

Aluminum alloy shell

ALUMINUM ALLOY SHELL

Using aluminum alloy shell surface
sandblasting anodize oxidation treatment,
small size, beautiful appearance generous,
easy to carry.



Inverter Technical Parameters

JINGNENG GREEN,BOUTIQUE AND EXQUISITE QUALITY

| | |
|------------------------|---|
| Power Level | 3000W |
| Rated Power | 3000W |
| Peak Power | 6000W(< 1S) |
| Input Voltage | 24V/48V |
| Output Voltage | 100VAC \pm 5%/110VAC \pm 5%/120VAC \pm 5% or 200VAC \pm 5%/220VAC \pm 5%/240AC \pm 5% |
| Output Frequency | 50HZ \pm 0.5HZ or 60HZ \pm 0.5HZ |
| Output Waveform | Pure Sine Wave |
| Wave form distortion | THD < 3%(linear load) |
| Output Peak Efficiency | Maximum 94% |
| Starting Mode | Before and after the bipolar soft stat |
| Cooling | Air cooling |
| Protect Function | Under voltage /Over voltage,Over-Load,Over-Temperature,Short Circuit,Input Reverse Connection |
| Working Temperature | - 20° — +70° |
| Stock Temperature | - 30° — +75° |
| | |

Product Details

JINGNENG GREEN,BOUTIQUE AND EXQUISITE QUALITY



01 Pure sine wave

Pure sine wave

100% pure sine wave output, low distortion, wave form and mains power line AC waveform base consistent, small precision equipment interference, low noise, strong load capacity, can satisfy any type of AC load, does not damage the load.



Imports of components 02

Imports of components

With details molded remarkable quality, materials chooses import components, to ensure the high quality of products, high performance

03 SMT technology

SMT technology

SMT is the electronics industry's most popular technology, the SMT technology make the product volume decreased 40% ~ 60%,weight reduced 60% ~ 80%. And high reliability, low rate of solder defects, good frequency characteristic,reduce the electromagnetic and interference



Multiple protection

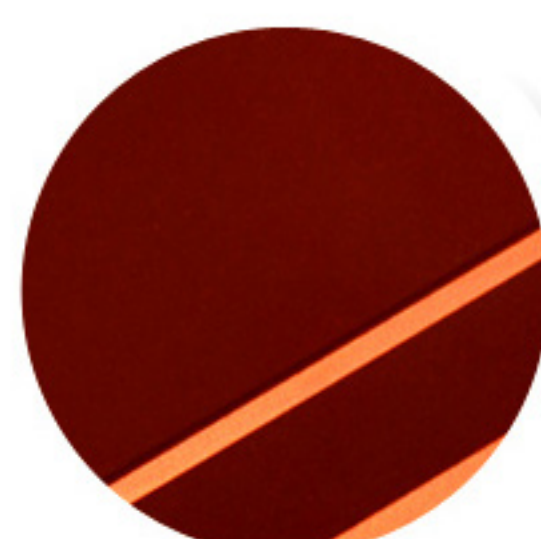
Multiple protection

Overload protection, over current protection, high temperature protection, short circuit protection, the battery reverse connect protection, battery over voltage and under voltage protection and inbuilt fuse, and so on. Battery protection function (battery over-voltage, under-voltage protection, over-voltage recovery, under-voltage recovery, etc.); Security shock protection function; Work instruction function and fault alarm function.

05 High quality high performance

High quality high performance

With details molded remarkable quality, using imported high-quality double-sided PCB and zero device, to ensure the products high quality, high performance.



Aluminum alloy shell

Aluminum alloy shell

Scientific and rigorous design, aluminum alloy enclosure, surface sandblasting anodize oxidation treatment, high hardness, small size, beautiful appearance generous, easy to carry. Comprehensive improve the controller appearance and usability.

07 High-density transformer coil

High-density transformer coil

New high frequency density winding transformer, the output is more stable and durable.



NCC capacitors

NCC capacitors

Larger capacity, the use of more secure.

09 Buzzer alarm device

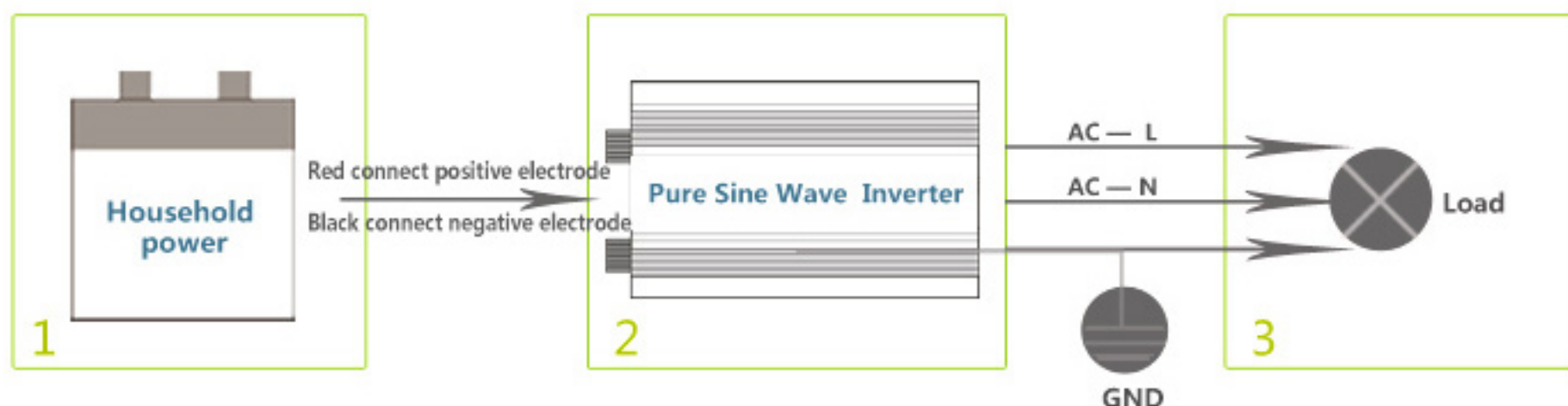
Buzzer alarm device

When the inverter high pressure, low pressure, over temperature, overload protection function open, alarm device sends an alarm, use more secure.



Installation

Operation three steps is so simple!



1: First, connect the inverter and the battery positive and negative electrode

2: open the inverter power source

3: connect load

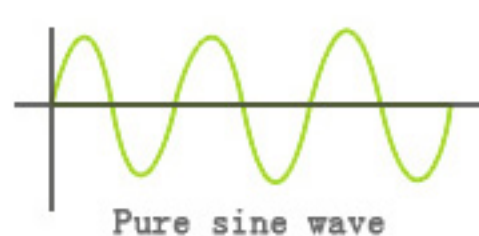
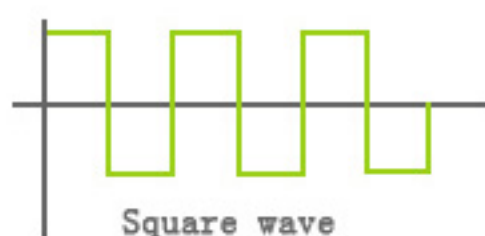
Beginners choose inverter need to notice and know common problems

Q、What is a sine wave inverter?

Popular speak is to direct current (DC) (e.g., battery, Storage Battery) converted into alternating current (AC) (usually 220V50HZ sine wave or square wave), can also be interpreted as the low voltage (12 v or 24 v, 48 v) DC converted into electronic equipment 220V alternating current (AC)

Q、The difference between the sine wave and square wave?

Sine wave inverter output sinusoidal alternating current (ac) same as our daily use of power grid and even better, because it does not exist in the grid electromagnetic pollution. Square wave inverter output is poor quality of the square wave current, the maximum positive value to the negative maximum value almost at the same time come into being, the load and the inverter itself cause severe instability. According to the above shortcomings, turn up quasi sine wave (or reform sine wave, modified sine wave and Simulated sine wave, etc.) inverter.



Q、How to equip with the right inverter for the battery?

When determining the power of inverter, there is a important principle, need to consider conversion efficiency, had better the inverter greater than the electrical rated load, not full load operation for a long time, otherwise it will shorten the life of inverter, failure rate will rise sharply at the same time. We strongly recommend that users, had better not exceeding 85% of the rated power in the state of using inverter.

Q、How long can use the inverter for my battery?

The battery by the inverter to the load work time formula:

$$\text{Work hours} = \text{battery capacity} \times \text{battery voltage} \times 0.8 \times 0.9 / \text{load power}$$

For example, 1PC 12V60AH battery for 1PC 220V100W bulb:

work time = $12 \text{ (V)} \times 60 \text{ (AH)} \times 0.8 \times 0.9 / 100 \text{ (W)} = 5.18 \text{ (h)}$

12V---battery voltage;

60 (AH)---battery capacity;

0.8 --- the battery discharge coefficient (constant);

0.9 ---inverter conversion efficiency;

100 (W) ---The light bulb nominal power;

5.18 (h) --- calculated the power 100W bulb with 60AH batteries can work time. (Specific how many time to reference your battery performance is good or bad)

Use Range

JINGNENG GREEN,BOUTIQUE AND EXQUISITE QUALITY

Office equipment :
desktop computers,notebooks,monitors,printers,acoustics,etc



desktop computers



notebooks



printers

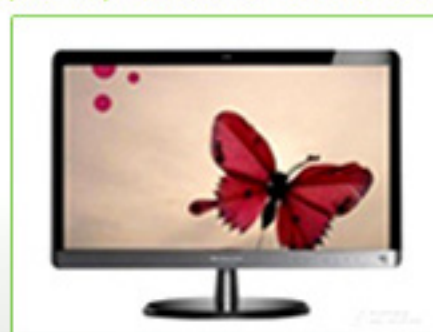


acoustics

Home leisure :
mobile phone,TV,DVD,GPS,electric fans vacuum ,lighting lamps and lanterns etc



mobile phone



TV



electric fans



lighting lamps

Outskirts and outdoor :
outdoor lighting,cooking,relief vehicles,commercial promotion,etc



outdoor lighting



relief vehicles



Rescue and relief



commercial promotion

ABOUT US

JINGNENG GREEN,BOUTIQUE AND EXQUISITE QUALITY

精能绿能 精品精质

Anhui Jing Neng Green Energy Co., LTD. is a focus on solar energy, wind energy, and other renewable power source product research and development, production, sales and service of high and new technology enterprise. , the main products are photovoltaic inverter and solar controller, the wind solar hybrid controller , and offer solar power system, solar street lamps system design, production and installation, debugging and other services.



Certification CE RHOS

