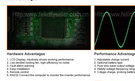
Product Introduction

Brief Introduction

1. Pure sine wave inverter generator, an PV inverter connects the variable DC output of a permanent magnet synchronous generator to utility frequency AC power without a transformer, it is the most important component that is a critical subsystem of wireless communication or solar power system. 2. Inverter generator is a kind of generator with inverter function. The motor drives power by 2 - 4 strokes (4-stroke generator is more quiet and more durable). 3. Inverter generator is a kind of generator with inverter function. 4. Even connect the generator in alternating current electricity to charge the battery.

Details Show



Main Advantages

Hardware Advantages

1. LCD Display, interface, ensure working performance
2. Large aluminum heat sink, high efficiency for cooling
3. Industrial Grade Capacitor
4. Easy Installation
5. Easy Operation
6. 32bits Control Core computer to monitor the inverter performance

Performance Advantages

1. Adjustable charge current
2. Pure sine wave output
3. Wide input voltage and frequency, suit fitting power applications
4. Widely voltage frequency range, available all over the world usage
5. Voltage stabilization & Battery Protection

Protection Advantages

1. Short circuit protection
2. Overload protection, overcharge protection
3. Battery reverse polarity, overload protection
4. Over temperature protection
5. Over temperature protection
6. Low voltage protection
7. AC short, output over current protect
8. Voltage and current protect

Material Advantages

1. We overall copper material in the inverter transformer, fine, etc.
2. Pure copper wire, ensure the quality of equipment and use safety
3. In order to ensure the quality of equipment, we use copper wire
4. Pure copper wire, ensure the quality of the product
5. In the inverter, the PC Board Material is the inverter, its famous brand is more reliable

Products Parameters

Low Mode Specification

Model	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24
Input Voltage Waveform	Pure Sine Wave (Utility or Generator)				
Nominal Input Voltage	110V~120V~230V~240V				
Max AC Input Voltage	140V~270V				
Nominal Input Frequency	50Hz~60Hz (Auto detection)				
Output Voltage Waveform	As same as input waveform				

Inverter Mode Specification

Model	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24
Output Voltage Waveform	Pure Sine Wave				
Rated Output Power	1500VA	3000VA	5000VA	7500VA	10000VA
Nominal Output Voltage	110V±10% 220V~240V ± 10%				
Nominal Output Frequency	50Hz~60Hz ±0.3Hz				
Nominal Efficiency	90%				
Capable of feeding electric motor	1HP	2HP		3HP	
Nominal AC Input Voltage	110	220		AC	

Charge Mode Specification

Model	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24	PLJ-6012-L-100/24
MAX Charge Current	20A	30A	40A	60A	80A
Charge Current Adjustable	Charge current adjustable: 20%, 40%, 70%, 100%(default)				
Battery Type Selection	Select the right type of battery to charge (e.g. GEL, AGM, Open lead acid, Sealed lead acid, etc.)				
Charge Algorithm	Three stage: **Boost-ICC** (constant current stage)+**Boost-CV** (constant voltage stage)+**Float** (constant voltage stage)				

Detailed Images

Reasonably Structured | DSP Intelligent Chip | Enough Power Plate | Pure Copper transformer

Production Process

PCB Production and Processing >>

Inverter Assembly >>

Inverter Testing >>

Certification

We have many certification of our products, CE, SGS, ECMCAP, etc.

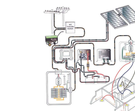
Direction Manual

Connection Diagram

Installation Procedure:

1. Check the DC voltage of Photovoltaic inverter is accordance with the battery voltage.
2. Ensure the positive pole (metal) inverter connect with the positive pole (metal) of battery, and the negative pole (black) of inverter connect with the negative pole (black) of battery. Then connect the battery.
3. Turn on the inverter switch and check the LCD display.
4. Turn on the AC breaker between the inverter and the AC load. If you are in a hurry, normally charge the battery, direct charge current that, the inverter will automatically detect the AC input.
5. Connect AC input with the loadground wire and earth on the inverter. (Power saver suck or Power saver off).
6. Turn on load.

Packing&Delivery



Carton Package
1.5KW-3.0KW 480 Boxes 5.5KW-10KW 240 Boxes
12KW-15KW 120 Boxes, 20F 20*GP 40F 40HQ
Weight 35kg-100kg

Bunk Package
1.5KW-3.0KW 240PCS 20MCTN
5.5KW-10KW 120PCS
12KW-15KW 60MCTN
20F 20*GP

Loading Container
1.5KW-3.0KW 480 Boxes
5.5KW-10KW 240 Boxes
12KW-15KW 120
20F 20Boxes 40F 70Boxes

FAQ

Q: Can we use this inverter with AC electricity?
A: Yes, you can use this inverter with AC electricity and regular but generator, solar, UPS electricity.
Q: If we use AC and DC electricity both, which will be better?
A: Of course, AC electricity is better than DC electricity.
Q: How about the efficiency of the inverter?
A: Our inverter adopt the advanced technology, the power efficiency.
Q: Whether it is certification of the inverter or not?
A: Our inverter has passed the certification of SGS, ECMCAP(Equipment Limitation), SCMCAP by CQC etc.
Q: What is the warranty for the product and solar inverter?
A: Our warranty for the product is 2 years, 24 months.
Q: What is the MOQ for the inverter?
A: Our MOQ for the inverter is 1 pcs.
Q: What is the terms of payment?
A: Our terms of payment is T/T 30% for deposit, the balance 70% before shipment.
Q: What is the delivery time?
A: Usually it will take 5-7 days after receiving the payment. For stock, it will ships after receiving the payment.

Our Company

Company Profile

Hamburger was found in 2007 presented deep protrade and the production of inverter and solar power system. We have more than 10 years experience. Our company focus on R&D and production that are the most advanced and reliable solar power and energy.
Read more

Exhibition

Our products are mainly exhibited for in China and abroad. Our products are CE, ISO9001, ECMCAP, etc. We always pursue the mission of "Keep Innovation" and "Quality" continuous in the field.
Read more

Trade&Market

Our main market is Africa, we also do other market business. Mid East, Asia, Americas, etc. We keep up-to-date of global Market of our products. We have more than 10 years experience. We know the market very well. We are a strong, Professional and Reliable trader. to provide the best service for our customers.
Read More

Related Products

Solar inverter | Portable power generator | Solar power system