

Why choose us ?

Customer Feedback

Juan Carlos Cruz: hey mi feedback is very happy to have done service with you. Great assistance, great customer service and the batteries are working great.

Aruba: Hope to be back again. Lead-acid battery.

Czech Republic: Inverter CE - M, 2022.206.C78133.pdf. Inverter CE - M, 2022.206.C76856.

Czech Republic: Dear Amy, Thank you very much and I really appreciate such a professional approach. I would prefer to thank you personally. With that kind of attitude, I'm not worried about you at all, and you'll work your way up very high.

Ukraine: I would like to order several models from you in quantities of 10 pieces each, as we discussed before the holidays. I will send you an invoice for them later.

Macedonia: You enjoy my highest respect. We'll continue successfully, you have my word.

Britain: Wind-solar hybrid system.

Philippines: Philippines Lead-acid battery.

South Africa: South Africa Inverter.

Malawi: Malawi Lead-acid battery.

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2. China first technology .Got the patent which Let Battery 30% longer life.

3. Battery doctor. Factory got battery detector patent.It can analyze and repair faulty batteries,

4. Delivery fast :12V7AH 50,000 units per day, hot-selling models 100AH, 200AH keep in stocks So 48 hours delivery

5. Complete certificate. We keep ISO, CE, UL CCC, ROHS, TUV, SGS, IEC UN38.3 certificates

6. One of 5 major suppliers designated by the China government for tender.

ESG

企业资质证书展示
Enterprise Qualification Certificate Display

光伏应用展-企业展
PV Application Exhibition - Enterprise Exhibition

1. What is a Inverter ?

An inverter is a converter that converts direct current energy (batteries, storage batteries) into fixed frequency and voltage or frequency and voltage regulated alternating current (usually 220V, 50Hz sine wave). It consists of an inverter bridge, control logic, and filtering circuit.



2.About Our Product

High frequency inverter: High efficiency and energy saving, with a conversion

efficiency of up to 98%, can save more than 20% of energy compared to

traditional inverters.

High frequency inverter: Lightweight and small in size, weighing only 1/3 of

traditional inverters and occupying only 1/4 of the volume, can greatly save

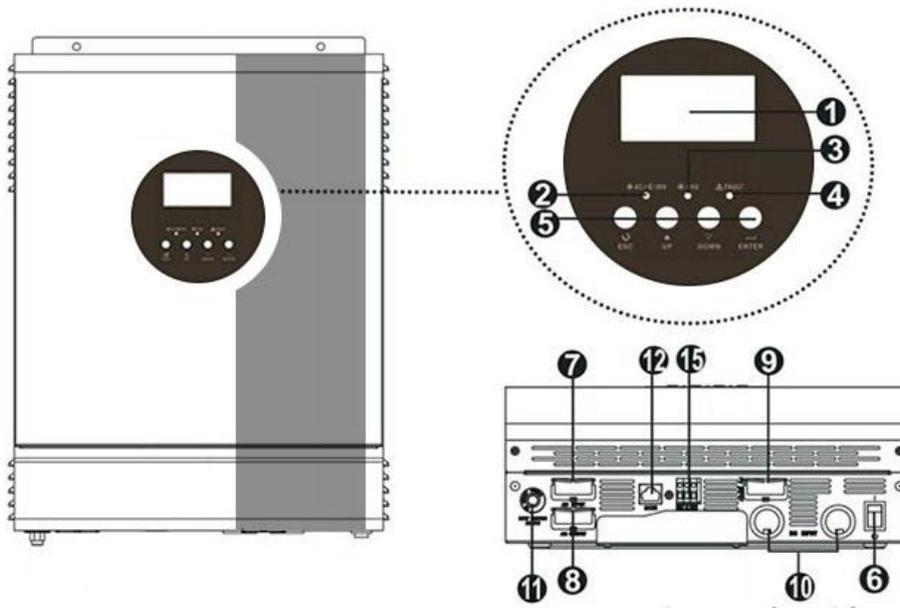
installation space and cost.

Short dynamic response time and fast control speed, with a response time only

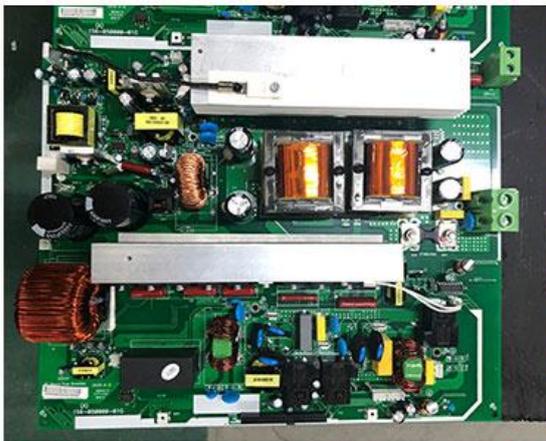
1/10 of traditional inverters, can respond to grid changes more quickly.

Enhanced control capability and significantly improved process performance,

with higher accuracy and stability, can achieve more accurate power output.



- 1. LCD display
- 2. Status indicator
- 3. Charging indicator
- 4. Fault indicator
- 5. Function buttons
- 6. Power on/off switch
- 7. AC input
- 8. AC output
- 9. PV input
- 10. Battery input
- 11. Circuit breaker
- 12. RS232 communication port
- 13. Parallel communication cable (only for parallel model)
- 14. Current sharing cable (only for parallel model)
- 15. Dry contact



3.Parameter

MODEL	ES-E 3KVA
The Rated Power	3000VA
BATTERY	
Bttereoltage	24 VDC
Low Battery Alarming Vttage	22 VDC

Low Battery Cut off Protection Voltage	21 VDC
Low Battery Recovery Voltage	23 VDC
Flating Charge Voltage	27 VDC
Overcharge Protection	32 VDC
INPUT	
Voltage	230 VAC
Selectable Voltage Range	90-280VAC(Appliances),170-280VAC (UPS)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (all. Mode)	230VAC±5%
Surge Power	6000VA
POWER FACTOR	
No Load Current	1.0A
Efficiency (Peak)	> 90%
Transfer Time	10 ms (UPS);20 ms (Appliances)
Waveform	Pure sine wave
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3000W
MPPT Range at Operation Vol.	130-450VDC
Maximum PV Array Open Circuit Vol.	450 VDC
Number of MPPT Trackers/Max. Output Current	80A
Maximum AC Charge Current	60A
Maximum Charge Current	80A
Maximum Efficiency	98%

BEST PANEL CONFIGUTATION	
Best Panel Configuration	330Wp*9pcs*30V(2700Wp)*2Parallel
PHYSICAL	
Dimension, D*W*H(mm)	350*270*98
Packing Sie, DW"H(mm)	413*350*173
Net Weight (kgs)	5.1
Gross Weight (kgs)	5.8
OPERATING ENVIRONMENT	
Humidity	5%6 to 95% Relative HumidityNon-condensing)
Operating Temperature	-10°C-50°C

4.Other 20 advantages

Higher MPPT efficiency, can more efficiently track the maximum power point of solar panels.

Lower loss rate, can reduce energy waste and heat generation.

Higher voltage range, can adapt to different solar panels and grid conditions.

Higher current capacity, can meet the power requirements of different application scenarios.

Stronger anti-voltage fluctuation ability, can better cope with grid fluctuations and electromagnetic interference.

Lower noise and electromagnetic radiation, can better protect the health of users.

Better temperature adaptability, can work normally in a temperature range of -40°C to +60°C.

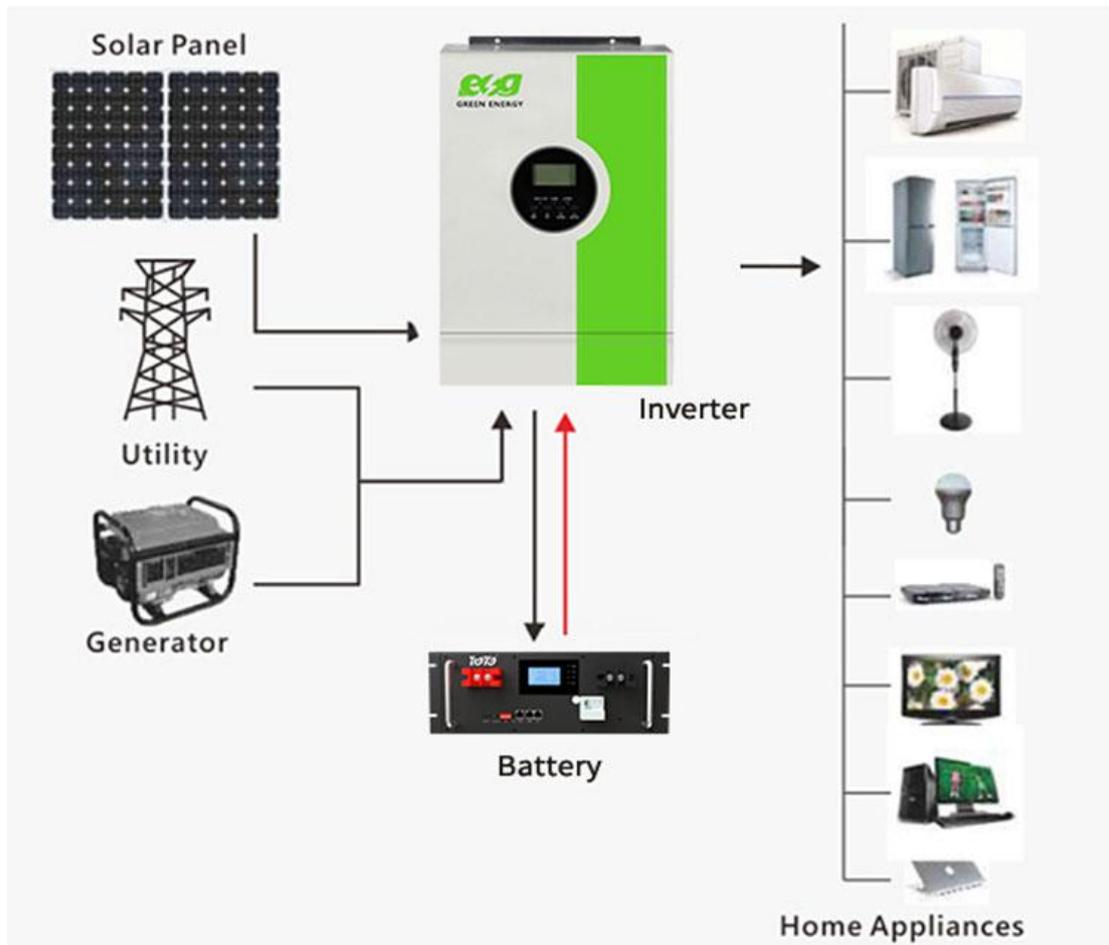
Better waterproof performance, can work normally in humid and rainy environments.

Better lightning protection performance, can withstand 10kV lightning strikes.

Higher reliability performance, can maintain stable output within 25 years of service life.



- Better compatibility, can better compatible with other equipment and systems.
- Better fault diagnosis capability, can locate and solve faults more quickly.
- Better data acquisition capability, can more accurately collect and record data.
- Better remote monitoring and control capability, can more conveniently upgrade and maintain the system.
- Better flexibility, can better meet the personalized needs of users.
- Better application scenarios, suitable for home, commercial, industrial and other different fields.
- Lower total ownership cost, can reduce user operating costs.
- Better environmental performance, can better protect the environment and ecology.
- Better user experience, can better enhance the user's usage experience.
- Better brand reputation, widely recognized and praised by users.



5.QUALITY CONTROL ASSURANCE

According to product quality requirements, the company has established

a strict quality management system.

Strictly control and manage all the links related to product quality

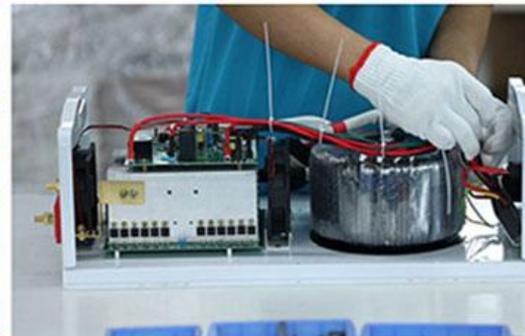
We have established scientific inspection procedures and quantified the

inspection indicators to ensure the continuous and stable production of

qualified products.

The company strictly controls raw materials to prevent unqualified products

from flowing into the production site.



6. Transportation and Packing

- 1) Inner box - carton - pallet - load on container
- 2) Packaging also can be made by customers requirements



7. Certifications

The company has passed ISO9001 quality system certification, ISO14001:2015 environmental management system certification, and its products have passed a series of international authoritative certifications such as SGS, UN38.3, CE, RoHS, MSDS, CNAS, etc.



8. Company Profile

Guangzhou ESG New Energy Technology Co., Ltd. is mainly committed to the development, production and sales of pure sine wave off-grid inverter, solar controller and solar lighting, lithium battery energy storage battery and other wind-solar complementary power generation system products. With the progress of solar cell technology and the development of low power semiconductor design technology, the application of solar cell instead of traditional battery gradually appeared. With the service concept of "innovation in science and technology, quality assurance, value creation for customers", under the guidance and innovation of professional R & D personnel, with the exquisite appearance and superior electrical performance of EsenGau products,

we have established friendly cooperative relations with various power supply companies and power plants in China power system. At the same time, we also developed a wide range of foreign markets, and our products are exported to Japan, South Korea, the United States, Europe, Australia and other places.



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10.FAQ

Q1. How can we guarantee quality?

A1: Always a pre-production sample before mass production;
Always final Inspection before shipment;

Q2. What can you buy from us?

A2: Lithium Ion Battery,Lead Acid Battery,Inverter,Solar Panel,Wind Turbine,
Controller ect.

Q3. Why should you buy from us not from other suppliers?

A3: Company info. & Advantages

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Q4. What is your payment term?

A4: We usually accept PAYPAL, T/T as the main payment method, other payment

methods can also be negotiated.

Q5: Quality problem?

A5: If there is any quality problem or question, we can provide technical support or return service.

Q6: How can I contact us?

A6: Send your inquiry details below, click "Send"! ! ! Free samples and best answers are waiting for you.