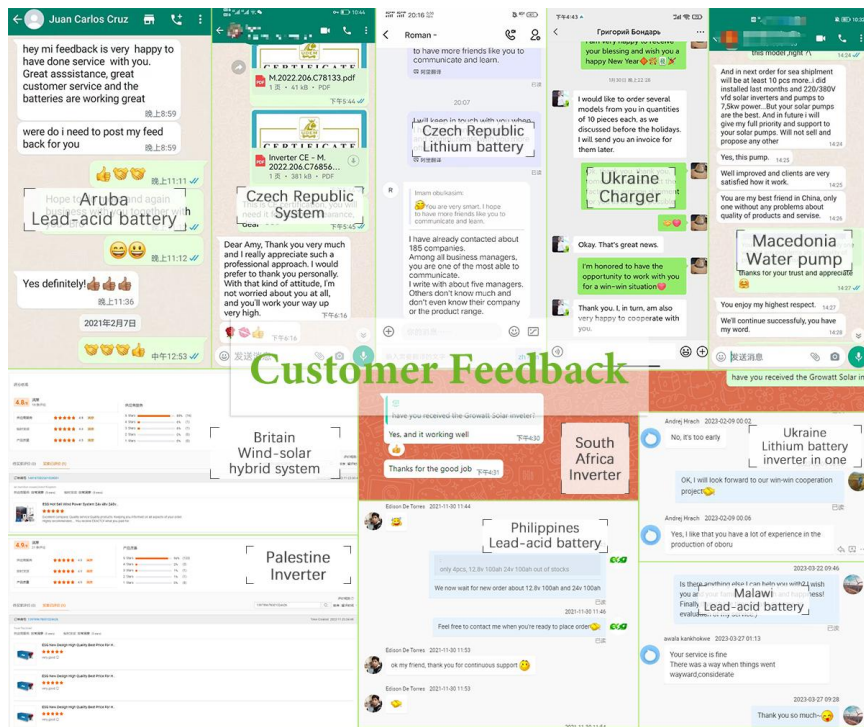


Why choose us ?



Why choose us ?



Why choose us ?

1.ESG 35years brand experience



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



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



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



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



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

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.



Detail display

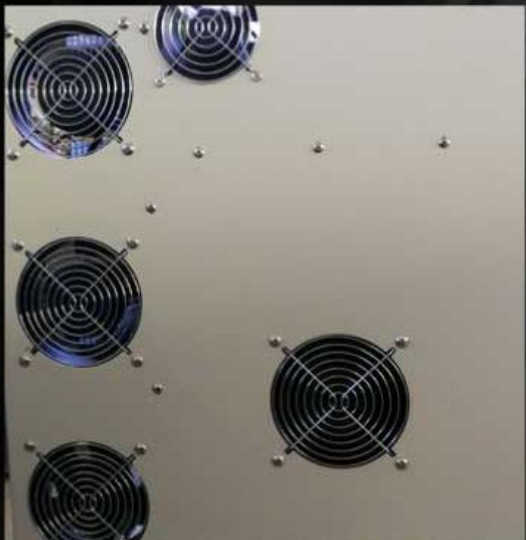
1

LCD +LED 可显示

EFFICIENT
SAFE
security
Efficient

Machine model, battery capacity, output voltage, load capacity, etc,
LED display: inverter working status, mains bypass status, phase loss protection, phase sequence error alarm, fault alarm light function.





2 Powerful heat dissipation duct

The inverter section, transformer, and charging board all have independent heat dissipation ducts, Absolute guarantee that the machine can operate normally for 24 hours under full load.

3 Terminal block

The terminal block comes out from the bottom, with a more professional design. All copper terminal boards have clear and clear markings for wiring at a glance!



4 Visible quality

The source factory places greater emphasis on quality and product craftsmanship, The signal line and high-voltage high current line are arranged separately, and magnetic rings are added to resist interference.



3.Parameter

MODEL: TM -	1KW	2KW	3KW	4KW	5KW	7KW	8KW	10KW
Rated Power	1KW	2KW	3KW	4KW	5KW	7KW	8KW	10KW
DC Voltage	48VDC				48VDC/96VDC			
Input Voltage	Three- phase four-wire system + ground wire 380V ± 20%							
Input Frequency	45-65 Hz							
Output Voltage	380VAC ± 5% (three-phase four-wire system)							
Output Frequency	50HZ ± 1%							
Switching Time	Switching from the mains supply mode to the battery mode: 50ms; switching from the battery mode to the mains supply mode: 25ms							
Charge Current	Max 8A							
Inverter output protection	100-120%,30s; >120%, 100ms							
Noise								
Ambient temperature for operation	0-40℃							
Ambient temperature for storage	-15 - +50℃							
Relative humidity for operation/storage	0-90%(no condensation)							
Altitude for operation	0 - 3,000m							
Altitude for storage	0 - 15,000m							
Product	560 × 230 × 570				590 × 470 × 730			

dimensions								
D × W × H (mm)								
Packing dimensions	640 × 300 × 730				690 × 570 × 850			
D × W × H (mm)								
Net weight/ gross weight (kg)	29/40	38/48	31/51	50/61	104/112	106/120	107/125	117/137

4. Other 20 advantages

The NT series power frequency intelligent UPS is a high stability and high reliability uninterrupted power supply product designed by the company to meet the high reliability requirements of power grid environments and network systems in various countries. Its excellent quality can provide safe and reliable comprehensive protection for users' data centers, industrial control systems, precision equipment, or fuel generators and other loads. The fully digital vector control technology using DSP, MCU, and DDC real-time processing has complete protection functions and high reliability.

Product Features

High reliability design

The dual transformation design ensures that the output of the uninterruptible power supply is frequency tracking, noise filtering, and low distortion.

Strong environmental adaptability

The input frequency range of uninterruptible power supply is large, ensuring stable operation when connected to various fuel generators.

High battery optimization performance

Adopting intelligent battery management technology to extend battery life and reduce battery maintenance frequency. Advanced constant voltage charging technology maximizes battery activation, saves charging time, and extends battery life.

Comprehensive and reliable protection

Equipped with power on self diagnosis function to avoid potential fault risks caused by UPS hazards.

Efficient IGBT (Insulated Gate Bipolar Transformer) inverter technology

Good high-speed switching characteristics of IGBT; Having high voltage and high current operating characteristics;

Adopting voltage driven,

only a small amount of control power is required. The fifth generation IGBT has lower saturation voltage drop, higher working efficiency, and

higher reliability of uninterruptible power supply.



Three Phase IGBT Inverter



CHARACTERISTIC

- Excellent performance because of an MCU intelligent control technology
- A wide range of applicable loads because of power-frequency transformer design and pure sine wave AC output
- A wide range, high accuracy and full automatic voltage stabilization
- Overall protection functions (overload protection, short circuit protection, over-voltage protection, under voltage protection and over temperature protection)
- Simple LEDs and a LCD for visualization of operation status of the equipment



MCU intelligent control excellent performance



Power frequency transformer



full automatic voltage stabilization



Overall protection functions



intuitive digital pipe + LED display system

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.

A wide range of applications

Suitable for household appliances, air conditioning equipment, industrial equipment, etc., but not suitable for high-precision electronic equipment. It needs to be confirmed by professional technical personnel before it can be put into operation.



Home appliance equipment communication devices industrial equipment Air conditioning equipment

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, ISO1 4001:2015 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.



9. Company Information

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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
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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

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.

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.