

Why choose us ?

Customer Feedback

Aruba
hey mi feedback is very happy to have done service with you. Great assistance, great customer service and the batteries are working great
were do i need to post my feed back for you
Hope to Aruba and again Lead-acid battery
Yes definitely!

Czech Republic
Czech Republic System
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
Ukraine Charger
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.
Yes, this pump.
Well improved and clients are very satisfied how it work.
You are my best friend in China, only one without any problems about quality of products and service.

Macedonia
Macedonia Water pump
Thanks for your trust and appreciate
You enjoy my highest respect.
We'll continue successfully, you have my word.

Philippines
Philippines Lead-acid battery
only 5pcs, 12.8v 100ah 24v 100ah out of stocks
We now wait for new order about 12.8v 100ah and 24v 100ah
Feel free to contact me when you're ready to place order

South Africa
South Africa Inverter
I have you received the Growsatt solar inverter?
Yes, and it working well
Thanks for the good job

Malawi
Malawi Lead-acid battery
Is there anything else I can help you with, wish you all the best!
Your service is fine
There was a way when things went wayward, considerate

Performance Charts
Britain Wind-solar hybrid system
Palestine Inverter

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.



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!

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.

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-TP	10K W	20K W	30K W	40K W	60K W	80K W	100K W	150K W	200K W
Rated	10k	20k	30k	40k	60k	80k	100k	150k	200k

capacity	W	W	W	W	W	W	W	W	W
Operation mode	PWN (pulse width modulation)based on DSP accurate control technology and double								
and principle	built-in MCUs complete isolation of the output								
	power supply								
AC input phase number	three-phase + N+G								
AC input voltage	AC 220V/AC 382V±20%								
AC input frequency	50hz/60hz±5%								
DC voltage	DC 192V/DC 220V/DC 240V/DC 384V(16 to 32 pieces of 12V batteries)								
Floating battery	13.6V of each battery*battery quantity (13.6V*16 batteries=217.6)								
Cut-off voltage	10.8v of each battery *battery quantity (10.8V*16 batteries=172.8V)								
Phase number	three-phase +N+G								
AC output voltage	AC 220V/AC 380V±1% (steady load)								
AC output frequency	50hz/60hz±5% (main supply) 50hz±0.01%								
Efficiency	≥95% (load:100%)								
output waveform	sine wave								
THD	linear load:<3%.non-linear load:<5%								
Dynamic load voltage transient	<±5%(jump from 0 to 100%)								

Instant recovery time	<10ms		
time of switching between the battery and the mains supply	3s-5s		
Unbalanced voltage	<±3% <±1% (balanced load voltage)		
Overload capacity	120%,20s;>150%,100ms		
Operation efficiency	≥95% (load: 100%)		
Computer communication interface	RS232/RS485(SNMP remote monitoring network adapter)		
Operating temperature	-10-40°C		
Relative humidity	0-90% (no condensation)		
Noise	40-50dB	50-60dB	

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.

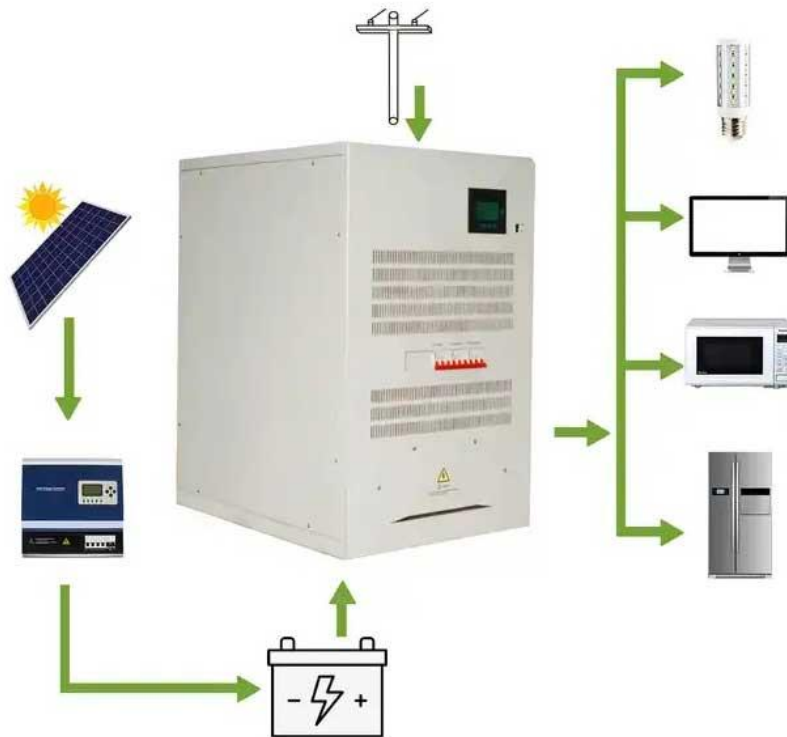
Advanced constant voltage charging technology maximizes battery activation, saves charging time, and extends battery life.

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

- Online working mode design, high speed static switching.
- Superior load characteristics
- Perfect protection function
- High performance dynamic characteristics
- Intelligent battery management
- Optional battery patrol module



high speed static switching



Superior load characteristics



Perfect protection function



High performance dynamic characteristics



Intelligent battery management



Optional battery patrol module

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.



9. Company Information

1. ESG 35 years brand experience
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

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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.