

Why choose us?

Guangzhou ESG 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.

COMPANY PRESENTATIONS AND PROJECT PRESENTATIONS

Long History **33Years**

Free sample for testing **0 \$**

High Quality **ROHS, CERCC, EC...**

1988
SINCE

HISTORY

With a long history of 33 years, Yi has developed a wide range of foreign markets.

1000
PROJECT

PROJECT

1000 Projects, have provide equipments for customers more than 1000 sets, from 1kw for 10MW+

0USD,
DESIGN

Service

0 USD Design and suggestion freely

Service
ATTITUDE

QUICK ACTION

24hours on line after-service

500
MW

CAPACITY

500mw capacity, full automatic pro-duction line,500mw solar panel

Price
STRENGTH

STRENGTH

wholesale price capacity per year

Why choose us?

We are committed to providing our customers with high quality new energy products and services, and always focus on customer experience.

We are pleased to see more and more customers commenting favorably on our products and services. Many customers praise the high quality, stability and reliability of our products, but also very satisfied with our professional pre-sale, sale, after-sales service.

Some customers also highlighted the kindness and patience of our staff, who answered their questions in detail and provided solutions.

These favorable comments reflect our efforts and achievements in maintaining our leading position in the market,

And encourage us to continue to improve our products and services to provide even better solutions to our customers.

We will, as always, adhere to the "integrity, quality, innovation, service" business philosophy, committed to promoting clean energy,

To provide customers with better quality products and services.

SuperStar High Rating Five Rating

5.0 Very Satisfied
498 Reviews

On-time Shipment

Supplier Service	★★★★★ 5.0 Very Satisfied	5 Stars	100% (498)
On-time Shipment	★★★★★ 5.0 Very Satisfied	4 Stars	0%
Product Quality	★★★★★ 5.0 Very Satisfied	3 Stars	0%
		2 Stars	0%
		1 Stars	0%

Customer Testimonials:

- United States:** Complete home solar energy system 4kw 5kw ... Very profession an **good service and high quality**
- The Republic of Congo:** ESG solar energy High Quality 5KW price solar ... **very good**
- New Zealand:** ESG Photovoltaic 5kw with 48 v 100ah lithium ... **I am very great with the supplier**
- Chile:** ESG 3kw 5kw 10kw 15kw 20kw for House Hybr... **I like more cooperation with the supplier**
- Venezuela:** ESG Commercial Ground Mounting MPPT high ... The goods and **service let me satificate**
- New Zealand:** For solar on grid system 400w 410W 420W 43... **very good quality Good service , I like the quality ,100% power**
- Indonesia:** 12v 200AH Deep Cycle Replacement SLA AGM... the package arrived safely a week ago **Quality is excellence and tested okay!**
- Saudi Arabia:** 30W Digital display Battery charger 12V 2A for car an... **Thank you very much Good product**

Annaliya Jian
Guangzhou ESG New Energy Technology Co., Ltd.
Thanks for your cooperation

**TOYO Rechargeable 5kwh 7.5kwh 10kwh lithium ion
Battery 48v 51.2v 100ah 200ah 300ah Lifepo4 lion battery
pack**

1.Product Description

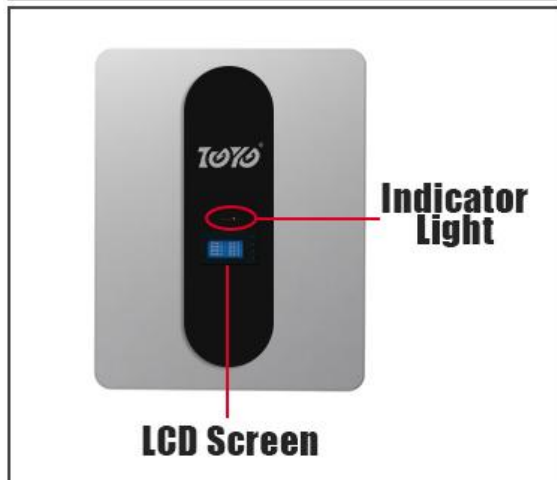
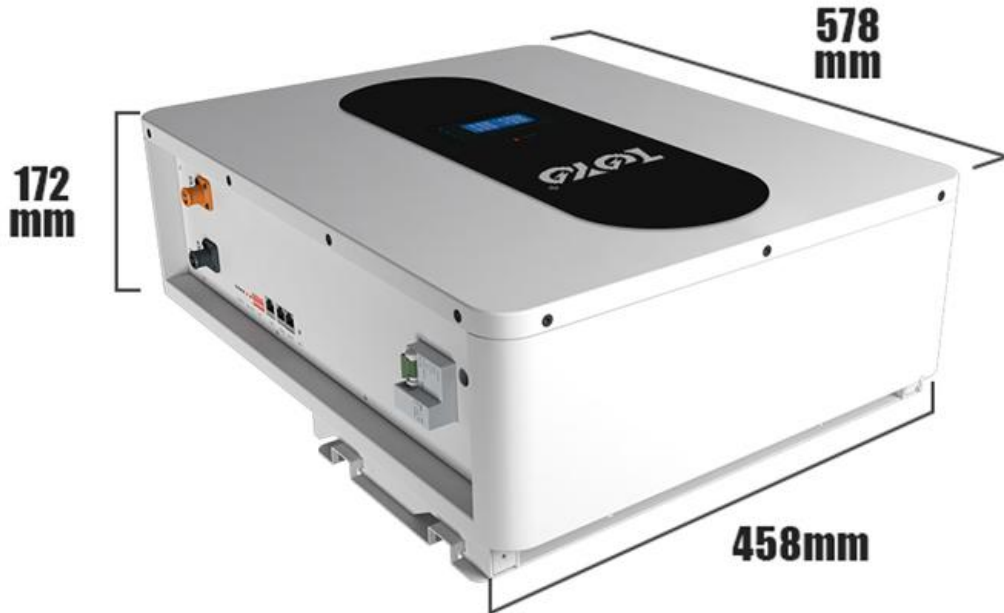
- . Long service life: product cycle times: 100% DOD6000 times**
- . The product has high safety, built-in temperature probe, safety alarm extinguisher, double protection function,**
- . BMS has the function of active equalization.**
- .It is intelligent and can detect voltage and electric quantity to avoid overcharge and overdischarge.**
- . All brands of inverter communication can be connected**



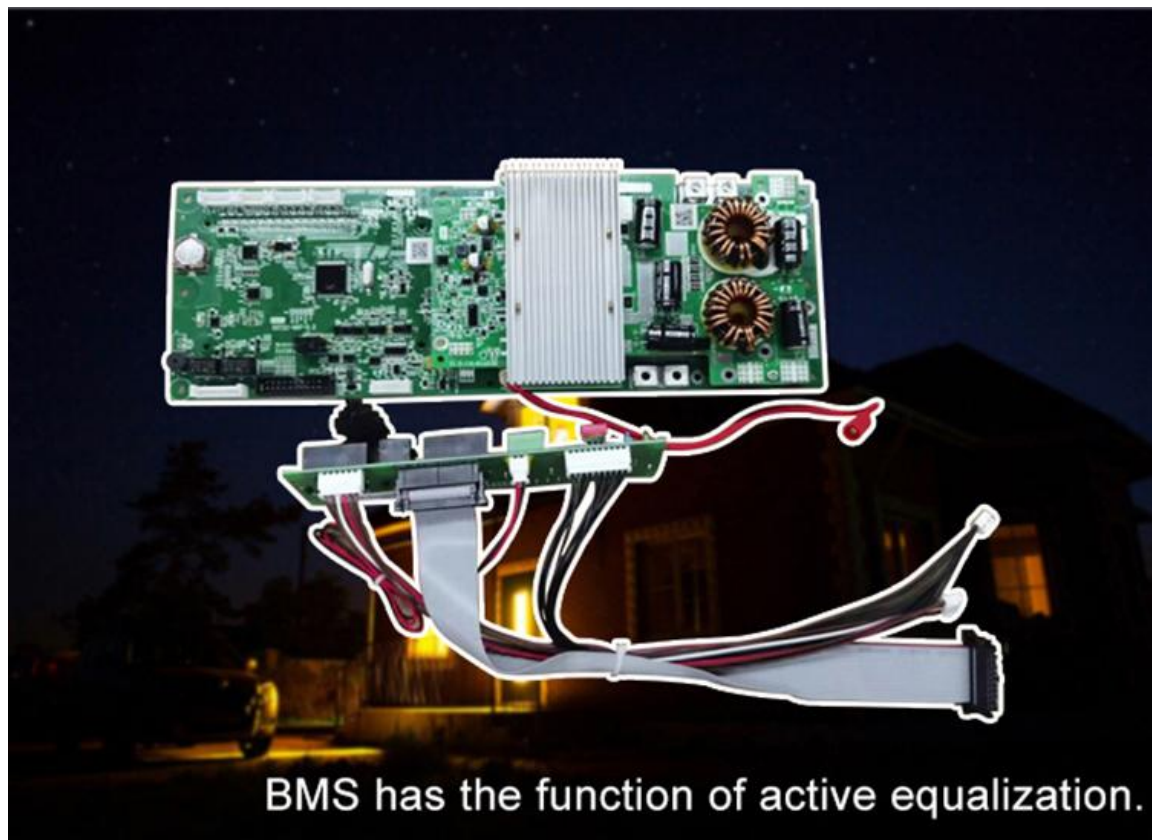
2.BATTERY STRUCTURE & CHARACTERISTICS

51.2v 100ah Ltium ion Battey Features:
Cycle life >6000 times, upto 10 years

Expandable , battery design, parallel stacking to increase battery capacity CAN
Communication ports 232, Rs485, iempie w many rns0, inverters
Simple connection between bttery . and inverter, easy installation.



1. A Grade Lifepo4 cells, The service life can reach more than 10 years.
2. Built-in BMS, charge protection, discharge protection, overcurrent protection, temperature protection, short circuit protection.
3. Expandable capacity, support 4 battery packs in series (192V), 6 battery packs in parallel (48v 600Ah).
4. Can completely replace lead-acid batteries, light weight, high energy density, support 0-60 °C environmental discharge



BMS has the function of active equalization.

3.Application



TOYO Rechargeable 5kwh 7.5kwh 10kwh lithium ion Battery 48v 51.2v 100ah 200ah 300ah Lifepo4 lion battery pack

Basic Parameters	PALA-W
Nominal Voltage (V)	51.2V
Nominal Capacity (Ah)	100Ah
Nominal Power (Wh)	5.12KWh
Dimension (mm)	578*458*172mm
Weight (Kg)	48Kg±3kg
Working voltage range	42V~58.4V
Max. Charge/Discharge Current (A)	100A

Communication Interface	CANBUS,RS485
Configuration	16S2P
Working Temperature	0~40°C (Charge) / -20~40°C (Discharge)
Cell chemistry	Lithium iron phosphate (LiFePO4)
Cycle life	6000 cycles @25°C 50A charging/discharging current 80% DOD
IP level	IP 20

4. WIDESPREAD APPLICATION (LiFePO4 Battery)

- 1. Solar energy storage system**
- 2. Home solar storage system**
- 3. RV, Boat**
- 4. Emergency rescue standby power supply**
- 5. Communication stations**
- 6. Factory solar energy storage system**



Functions:

- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Short detection function
- Temperature detection function
- Balance function
- Communicate function RS485,CANBUS
- Alarm function

– Communication interface –

All brands of inverter communication can be connected.



5. production

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. Packing & Delivery

- 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, Our Team

We are committed to providing customers with high quality new energy products and services, always focusing on customer experience. Our products are of high quality, stable and reliable praise, but also to our professional pre-sale, sale, after-sales service is very satisfied.

Some customers also made special mention of the kindness and patience of our staff as we answered their questions in detail and provided solutions



9,Our exhibition

2023 We Will Continue To Expand The Market And Take Our New Products

To Visit New Energy Exhibitions In The United States,Germany,Dubai,

South Africa, Spain, The United Kingdom, The Netherlands...

And Other Countries.

Looking Forward To Meeting You.



10.FAQ

Q1: What if I don't have import experience ?

A1: We have reliable forwarder agent which can ship items to you by sea/air/Express to your doorstep.Any way, we will help you choose the most suitable shipping service.

Q2: How is your technical support?

A2: We provide lifetime online support through Whatsapp/ Skype/ Wechat/ Email. Any problem after delivery, we will offer you video call anytime,our engineer will also go to oversea help our customers if necessary.

Q3: How can I make sure it's a secure transaction ?

A3: Trade Assurance protects online orders when payment is made through Alibaba.com., all of our transaction will go through alibaba platform. As you do the payment, the money will go directly to Alibaba bank account.

After we send your the items and you confirm the detailed information, Alibaba will release us the money.

Q4: Can you get the the solar system customized for us ?

A4: Of course, our engineering designers will provide you with the most suitable product and design according to your needs.

Q5:How to become ESG agent?

A5:Contact us through Alibaba, we will give you the best price and look forward to your greetings.

ESG 1U2U 3U Rack BMS 1C Charging 51.2V96v100Ah 200ah Solar Storage Lifepo4 Lithium Iron
Battery Pack