

Solar Energy Solution Manufactory

High Quality

All in one Solution

Comprehensive service

01 Company Profile

02 Photovoltaic Energy Storage Products

03 Yohoo Elec Core Advantages

Company History



2009

Yohoo was established in Dongguan in 2009, Producing power adapters, charging pile parts, and batteries for OPPO,VIVO.



2019

In 2019, expand to three production bases worldwide with an annual revune of \$150 million.



2020

In 2020, it began developing home energy storage products and inverters, as well as EV charger.



2024

Yohoo Chongqin production base of commercial & industrial ESS will start to operate by April of 2024.

Current Markets and Global Locations



 **Current Markets and Global Locations**
Continuously increasing

OEM/ODM +Yohoo Brand

Photovoltaic Energy Storage Product

1



R&D and manufacturing of inverter equipment

2



Energy storage battery

Electronic Power Equipment

1



Power Electronics Manufacturing

2



Manufacturing of EV charging pile equipment

Product System



Quality / Affordable / Service

Energy Storage Battery

Portable Power Station



Residential Energy Storage



High Voltage ESS



Solar Inverter

Hybrid Inverter 6KW



Hybrid Inverter 8KW



Single Phase Grid Tie Inverter 8KW ~12KW

Three Phase Grid Tie Inverter 12KW



Solar panels

Solar Panel



Portable Solar Panel



Global Partners



Quality / Affordable / Service



CATL

EVE[®]

LiTHIUM



1+ ONEPLUS

oppo

realme

WINGTEC
PROFESSIONAL SOLUTIONS



TBEA
特变电工

TCL

HQ HUAQIN
华勤技术

UROVO[®] 优尊讯

HI SOLAR
TECHNOLOGY

TINNO

MEIZU

E-POW 亿能电子





Empowering individuals to take control of their energy management



Yohoo elec www.yohooelec.com



Preventing power disruptions during critical times



Yohoo elec www.yohooelec.com

From sunrise to sunset,
we're your reliable
energy partner

Yohoo elec

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Residential Energy Storage



Residential Energy Storage



Items	Specifications
Rated energy(kWh)	5.12KWh
Nominal Voltage(v)	51.2V
Working Voltage(v)	42V~58.4V
Nominal Capacity(Ah)	100Ah
Rated charge / discharge current(A)	50A/100A @25±2°C
Maximum charging current	100A@25±2°C
Maximum discharge current	100A @25±2°C
Working Temperature	0~40°C(Charge) -20~40°C(Discharge)
Humidity(%)	5~95%
Altitude Limited(m)	0~3000m
Weight(Kg)	48Kg±3kg
Dimension(mm)	580x460x172.4mm
Storage temperature and humidity	-10°C~35°C (Within one month of storage) 25±2°C (Within three months of storage) 65%±20%RH
Cycle life	0.5c ≥4800 Cycles , 0.2c ≥5800 Cycles
Designed calendar life	15 years
Warranty	5 years + 5 years (extendable)
Cell	A grade new cell
IP grade	IP20
Communication mode	CAN&RS485

V2.1*Information may be subject to change without notice.

Residential Energy Storage



Performance

Battery Model	YH24-10024	YH24-10048	YH24-20048
Capacity	25.6V100AH (100A)	51.2V100AH (100A)	51.2V200AH (200A)
Battery Total Energy	2.5kwh	5 kwh	10kwh
Rated Energy	2.5kw	5.1 kw	8.9kw
Peak Energy	3kw	6kw	10kw
Rated Voltage (DC)	25.6V	51.2V	51.2V
Allowable BMS Load Current	100A	100A	200A
Battery Voltage Range(DC)	22.4V~29.2V	44.8V 58.4V	44.8V 58.4V
Inverter Operating Voltage Range (single-phase)	200V-240V	200V-240V	200V-240V
Inverter Operating Voltage Range (three-phase)	340-460V	340-460V	340-460V

Residential ESS High Voltage



Items	YH-AC-S1	YH-AC-S2	YH-AC-S3	YH-AC-S4	YH-AC-S5
Rated energy(kWh)	5.6KWh	11.2KWh	16.8KWh	22.4KWh	28KWh
Configuration	32S1P	2*32S1P	3*32S1P	4*32S1P	5*32S1P
Nominal Voltage(V)	102.4V	204.8V	307.2V	409.6V	512V
Working Voltage(V)	86.4V-116.8V	172.8V-233.6V	259.2-350.4V	345.6-467.2V	432-584V
Rated charge/discharge power(KW)	5.12KW	10.24KW	15.36KW	20.48KW	25.6KW
Cell chemistry	Lithium Iron Phosphate				
Nominal Capacity(Ah)	55Ah				
Rated charge/discharge Current(A)	50A				
Communication Interface	CAN/RS485				
Cycle life	5000cycles				
Working Temperature	-15-45(°C)				
Humidity(%)	5%-65%				
Altitude Limited(m)	2000m				
Weight(Kg)	73±2KG	121±4KG	169±6KG	217±8KG	265±10KG
Dimension(mm)	630*380*550mm	480*450*766mm	680*500*982mm	680*500*1198mm	710*220*1414mm



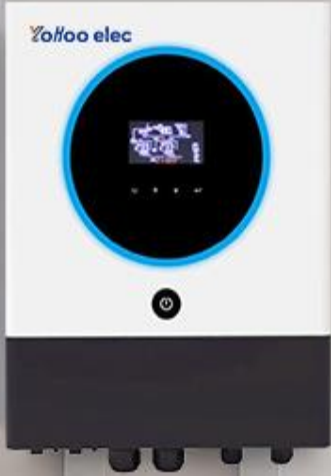
Liquid-cooled Battery Cabinet System Based on Prismatic LFP Cells

GTM: July 2024
Powered by Hithium



Liquid-cooled ESS Container Storage System

Solar Inverter





Hybrid Inverter 6KW

SOLAR CHARGER & AC CHARGER

Maximum PV Array Open voltage(V)	500VDC
Maximum PV Array power	6000W
MPPT voltage range(V)	60~450VDC
Maximum input current	27A
MPPT tracker/strings	1/1
Maximum solar charge current	120A
Maximum AC charge current	100A
Maximum charge current	120A

AC Output

Surge power	12000VA
Voltage regulation(Battery Mode)	230VAC±5%
Rated frequency	50/60Hz
Rated frequency	up to 93.5%
Transfer Time	10ms(For Personal Computers);20ms(For Home Appliances);

Battery

Battery voltage	48VDC
Battery voltage	54VDC
Overcharge Protection	63VDC
Battery type	Lithium /Lead-acid

GENERAL PARAMTER

Operation temperature	0°C~50°C
Relative humidity	0~95%(non-condensing)
Altitude	(>2,000m Derating)
Dimensions D x Wx H (mm)	434*311*126.5
Net Weight(KG)	9KG



Hybrid Inverter 8KW

SOLAR CHARGER & AC CHARGER

Rated Power(W)	8000VA/8000W
Max.PV array open circuit voltage(VDC)	500VDC
MPPT input voltage range@operating(VDC)	120-450VDC
Nominal DC voltage(VDC)	48VDC
Max.solar charging current(A)	120A
Max.AC charging current(A)	120A
Max.charging current(A)	120A

Grid Output(AC)

Nominal output voltage(VAC)	220/230/240VAC
Output voltage range(VAC)	184-265VAC
Nominal output current(A)	36.4/34.8/33.3A
Efficiency	Up to 93.5%

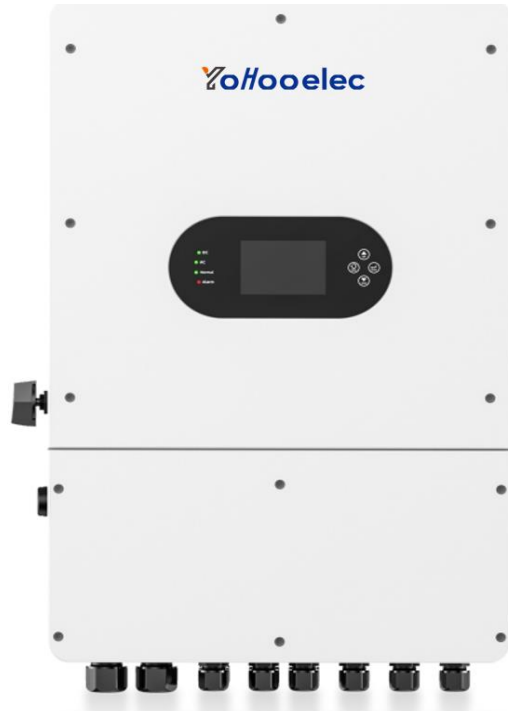
Emergency Output Power

Max.output power(W)	8000W
Surge power(W)	16000W
Transfer time	10ms(For Personal Computers);20ms(For Home Appliances);

GENERAL PARAMTER

Humidity	0-90%RH(No Condensing)
Operating Temperature	0 to 50°C
Net Weight(KG)	18.8KG
Dimensions Dx W x H(mm)	420*561.6*152.4mm

Solar Inverter



Hybrid Inverter 10/12KW

PV String Input Data

Max. input PV power (W)	13000	15600
Rated PV Input Voltage (V)	370	
Start-up Voltage (V)	125	
MPPT Voltage Range (V)	150~425	
Maximum PV Array Open Circuit Voltage (V)	500	
Max. PV Input Current(A)	26+26+26	26+26+26
No.of MPPT Trackers/No.of Strings per MPPT Tracker	3/2+2+2	3/2+2+2

AC Output Data

AC Output Frequency and Voltage	50/60Hz; L/N/PE 220/230V (single phase)	
Rated AC Output Power (W)	10000	12000
AC Output Rated Current (A)	45.5/43.5	54.5/52.2
Peak Power(W)	20000	24000
Power Factor	0.8 leading - 0.8 lagging	

Battery Input Data

Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range (V)	40~60	
Max. Charging/discharge Current (A)	220/220	250/250
Max. efficiency	97.60%	

General Data

Operating Temperature Range (°C)	-40~60°C,>45°C Derating	
Size (W x H x D mm)	330x580x232 (Excluding connectors and brackets)	
Weight (kg)	31	33
Protection Degree	IP65	
Communication	RS485,CAN	

Solar Inverter



Hybrid Inverter 10/12KW Three phase

PV String Input Data

Max. input PV power (W)	13000	15600
Rated PV Input Voltage (V)	550	
Start-up Voltage (V)	160	
MPPT Voltage Range (V)	200~650	
Maximum PV Array Open Circuit Voltage (V)	800	
Max. PV Input Current(A)	26+13	26+13
No.of MPPT Trackers/No.of Strings per MPPT Tracker	2/2+1	2/2+1

AC Output Data

AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380Vac, 230/400Vac(Three Phase)	
Rated AC Output Power (W)	10000	12000
AC Output Rated Current (A)	15.2/14.5	18.2/17.4
Peak Power(W)	20000	24000
Power Factor	0.8 leading - 0.8 lagging	

Battery Input Data

Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range (V)	40~60	
Max. Charging/discharge Current (A)	200/200	240/240
Max. efficiency	97.60%	

General Data

Operating Temperature Range (°C)	-40~60°C,>45°C Derating	
Size (W x H x D mm)	702×422×281 (Excluding Connectors and Brackets)	
Weight (kg)	37.5	
Protection Degree	IP65	
Communication	RS485,CAN,WIFI	

Portable Power Station



Portable Power Station



Password lock function

TV
7 Hours (60W)

Refrigerator
10 Hours (40W)

Wifi
84 Hours (5W)

Lighting
42 Hours (10W)

CCTV
14 Hours (30W)

Electric fan
16 Hours (25W)

Computer
9 Hours (50W)

Phone
50 Times (18W)

Technical Indicators(YP01-600W)	Parameters
Battery energy	648Ah
AC Output Nominal Voltage	220-240V 50Hz
AC Output Nominal Power	600w
DC Output TYPE-C1 Output	100w(5V3A/9V3A/12V3A/15V3A/20V5A)
DC Output TYPE-C2 Output	65W(5V3A/9V3A/12V3A/15V3A/20V3.25A)
DC Output USB A1 Output	18W(5V3A/9V2A/12V1.5A)
DC Output	120W MAX 12V10A(Car cigarette lighter, DC5521*2 output total power 12V10A)
Operating Temperature	-10~40°C(14~104°F)
Dimensions	254X205X235mm
Net Weight	About 6.7kg

Technical Indicators(YP02-1000W)	Parameters
Battery energy	921Ah
AC Output Nominal Voltage	220-240V 50Hz
AC Output Nominal Power	1000w
DC Output TYPE-C1 Output	100w(5V3A/9V3A/12V3A/15V3A/20V5A)
DC Output TYPE-C2 Output	65W(5V3A/9V3A/12V3A/15V3A/20V3.25A)
DC Output USB A1 Output	18W(5V3A/9V2A/12V1.5A)
DC Output	120W MAX 12V10A(Car cigarette lighter, DC5521*2 output total power 12V10A)
Operating Temperature	-10~40°C(14~104°F)
Dimensions	367X205X235mm
Net Weight	About 13.3kg

Portable Power Station



TV
11 Hours (60W)



Refrigerator
17 Hours (40W)



Wifi
143 Hours (5W)



Lighting
71 Hours (10W)



CCTV
23 Hours (30W)



Electric fan
28 Hours (25W)



Computer
14 Hours (50W)



Phone
78 Times (18W)

Technical Indicators(BPS-1000MB)

Parameters

Battery energy	896Wh
AC Output Nominal Voltage	220-240V 50Hz
AC Output Nominal Power	1000W(instantaneous peak power 2000W)
DC Output TYPE-C Output	MAX: 20V*5A
DC Output USB Output	5V*2.4A
DC Output USB 3.0 Output	5V/3A,9V/2A,12V/1.5A 18W MAX
DC Output	(12V±1.5V)/10A
Adapter 1 (Standard accessories)	22V/5A ,fully charged in about 10.5 hours
Adapter 2 (Optional accessories)	22V/10A ,fully charged in about 5.5 hours
Flashlight	(5W)Common brightness & High brightness & Slow blinking &Fast blinking
AC 1000W output working time	About 50 minutes
Operating Temperature	14~104°F
Dimensions	330X190X255mm
Net Weight	About 14kg

*All the data above are collected through experiments.

Portable Power Station



-  **TV**
14 Hours (60W)
-  **Refrigerator**
22 Hours (40W)
-  **Wifi**
179 Hours (5W)
-  **Lighting**
89 Hours (10W)
-  **CCTV**
29 Hours (30W)
-  **Electric fan**
35 Hours (25W)
-  **Computer**
18 Hours (50W)
-  **Phone**
97 Times (18W)

Technical Indicators(BPS-1000F)	Parameters
Battery energy	1120Wh
AC Output Nominal Voltage	230V 50Hz
AC Output Nominal Power	1000W(instantaneous peak power 2000W)
DC Output TYPE-C Output	5V/3A,9V/3A,12V/3A,15V/3A,20V/5A 100W MAX
DC Output TYPE-C Output	5V/3A,9V/3A,12V/2.5A,15V/2A,20V/1.5A 30W MAX
DC Output USB 3.0 Output	5V/3A,9V/2A,12V/1.5A 18W MAX
DC Output	12V*5A
Wireless charging Output	15W MAX
Cigarette lighter Output	12V*10A
Flashlight	brightness, Common brightness , Highbrightness, SOS-Slow or Fast blinking
AC Discharge Period Running a load of 1000W	About 55 minutes
Operating Temperature	14~104°F
Dimensions	321X235X286mm
Net Weight	About 12kg

*All the data above are collected through experiments.

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Company Advantages



Four Major Factories



Yohoo-Dongguan

Global Headquarters:
Battery & Inverter R&D



Minos - Indonesia

Indonesia:
power supply manufacturing



Yohoo-Chongqing

Chongqing: C&I ESS, PV charging production base



Caria-India

India:
Power cable manufacturing

R&D Capability

30+
Ph.

80+
Master

150+
R&D Staff



Research partnerships: With more than 150 R&D personnel, our company has established partnerships with academic and research institutions, which can provide access to the latest technologies and research findings in the energy storage field.

Technology expertise: Our R&D personnel has experience in developing and optimizing battery technologies for fast charging, which can be applied to household energy storage solutions. This knowledge can be leveraged to create more efficient, longer-lasting, and higher-capacity batteries for home use.

Manufacturing capabilities: With multiple automated production lines, our company has the infrastructure and processes in place to efficiently manufacture large quantities of batteries, which can reduce costs and increase the availability of home energy storage solutions.

Quality Certification



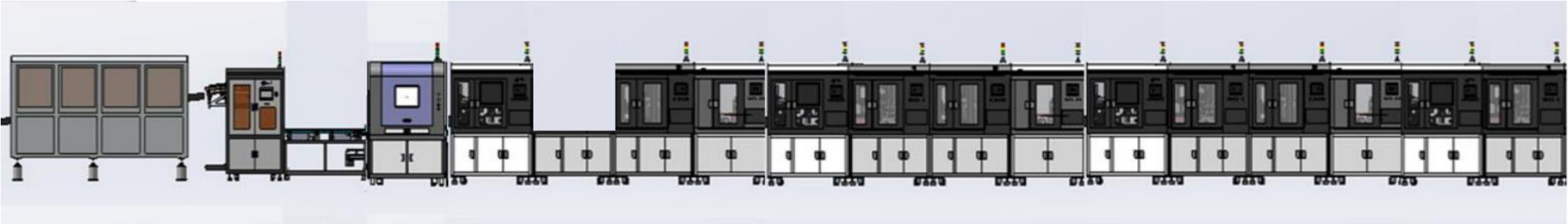
Quality / Affordable / Service



Our Factory Pictures



Our Factory Pictures



Automatic Production Workshop

Test Equipments



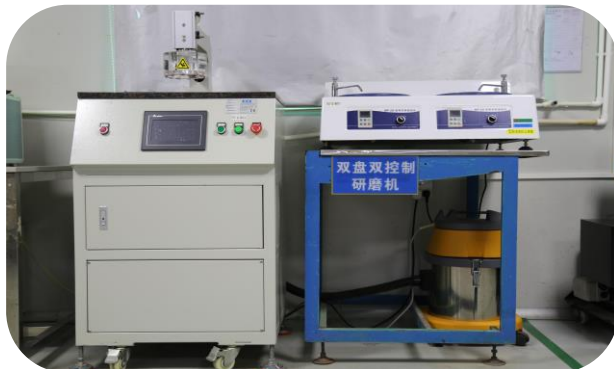
Constant temperature and heat laboratory equipment



Thermal shock test equipment



Roller drop test equipment



Double disc double control grinder equipment



Stress test equipment



Lightning strike generator equipment

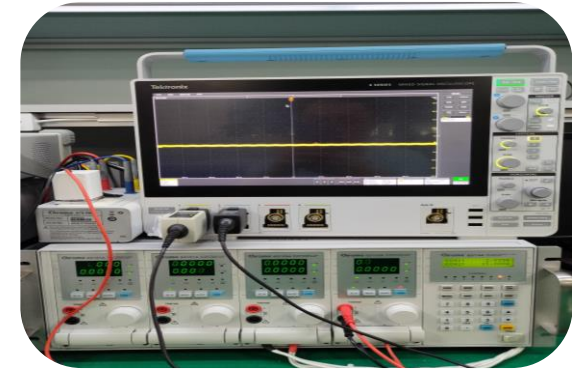
Test Equipments



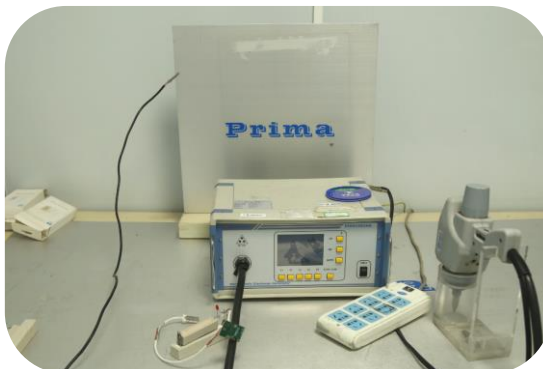
Constant temperature and humidity test equipment



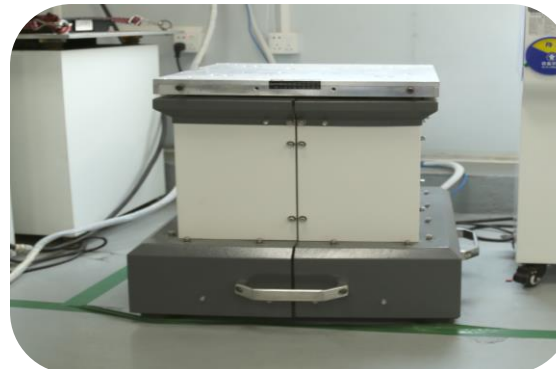
UV accelerated aging test machine



Tektronix digital oscilloscope, Chroma electronic load



Electrostatic discharge generator equipment



Horizontal and vertical vibration test equipment



Static test equipment

Safe, Stable, Ultra long-life product performance is critical to our business. From product design and development to technical support, we provide complete custom solutions and dedicated services to help customers maximize brand value and product upgrades.

R&D Center

We have an experienced and qualified R&D team of 150 engineers dedicated to the research and development of products, We always make our products meet customers' needs through innovative ideas and technologies

Flexible Delivery

Direct from factory or from local warehouse



Quality Assurance

Our company has a complete quality management system. Incoming material inspection, manufacturing, product aging, and product shipment are strictly controlled in every process to ensure product quality and service life.

Honesty, Fairness and Integrity

We believe in three core values: honesty, fairness and integrity. We treat customers sincerely and fulfill our commitments!

Company Profile



Quality / Affordable / Service



Chongqing C&I ESS

Dongguan Yohoo Electronic Technology Co., Ltd. was founded in 2009 with its headquarters located in Chang'an Town, Dongguan City. We have more than 2000 employees, including a R&D team of over 150 members, and provide comprehensive social insurance to each employee. As a specialized company engaged in the research, development, production, and sales of power supply products, we are committed to providing high-quality and reliable products. With strong technical strength and advanced production equipment, we are capable of producing power adapters, industrial power supplies, new energy vehicle charging products, photovoltaic inverters, energy storage products, and more.

As of now, our annual turnover has exceeded 2 billion RMB, and our customers are spread across the world. Always taking customers as the core, we continue to improve our quality and competitiveness in both domestic and foreign markets.

We insist on the core ideology of "quality first, service foremost", actively provide customers with the best quality products and services, and work together with customers to create a better future.



Dongguan Household ESS