

# ***Solar Energy Solution Manufactory***

High Quality

All in one System

Comprehensive service

**01** Company Profile

**02** Photovoltaic Energy Storage Products

**03** Yohoo Elec Core Advantages

# Company History



Quality / Affordable / Service



**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

# Two Major Business Segments

## Photovoltaic Energy Storage Product

1



R&D and manufacturing of inverter equipment

2



BESS(Energy storage battery system)

## Electronic Power Equipment

1



Power Electronics Manufacturing

2



Manufacturing of EV charging pile equipment

# Product System



Quality / Affordable / Service

## BESS(Energy Storage Battery)

Portable Power Station



Residential Energy Storage



Container and Cabinet (BESS)



## Solar Inverter

Hybrid Inverter 6KW



Single Phase Hybrid Inverter 8KW ~12KW



Three Phase Hybrid Inverter 12KW



## Solar panels

Solar Panel



Portable Solar Panel



# Global Partners



Empowering individuals to take control of their energy management

Yohoo elec [www.yohooelec.com](http://www.yohooelec.com)

Preventing power disruptions during critical times

Yohoo elec [www.yohooelec.com](http://www.yohooelec.com)



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

Yohoo elec [www.yohooelec.com](http://www.yohooelec.com)

Empowering individuals  
to take control of their  
energy usage

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# Residential Energy Storage



# Residential Energy Storage



**51.2V 100Ah(5.12kwh)  
LiFePO4 Wall Mounted  
Battery Pack**

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.

# Battery system



Quality / Affordable / Service



Yohoo elec 3900 102.4V 39AH

	3900-H3	3900-H4	3900-H5
<b>Battery Cell</b>			
Battery Type	LiFePO4		
Specification	3.2V/39AH		
Shape	Cylindrical Battery Cell		
<b>Battery Unit</b>			
Rated Energy [kWh]	3.99		
Rated Voltage [V]	102.4		
Specification	102.4V/39AH		
Composition	1P32S		
<b>Battery Pack</b>			
Rated Energy [kWh]	11.9	15.9	19.9
Number Of Modules	3	4	5
Rated Voltage [V]	307.2	409.6	512
Operating Voltage Range [V]	240~350.4	320~467.2	400~584
Rated Charging Current [A]	40		
Rated Discharge Current [A]	40		
Max, Discharge Depth (DOD)	90%		
<b>General Data</b>			
Cycle Life [Times]	≥6000 (@25°C, 90%DOD)/≥10 Years		
Ingress Protection	IP65		
Cooling Method	Natural Cooling		
Communication	CAN		
Charging Temp. Range [°C]	0~+50		
Discharge Temp. Range [°C]	-10~+50		
Storage Temp. [°C]	-10~+45		
Humidity	20%~80%		
Weight [kg]	135	175	215
Dimension (W*D*H) [mm]	690*358*720	690*358*910	690*358*1100
Installation Style	Floor-standing/ Wall Mounted		
Color	White		

# Battery system



Yohoo elec 3K/5K-SL

	3K-SL	5K-SL
<b>AC input (Bypass)</b>		
Rated input Voltage [Vac]	220	
Input Voltage Range [Vac]	(185~280)+2%	
Frequency Range [Hz]	47~55(50)/57~65(60)	
Overload Current [A]	40	
Max. Charging Current By Bypass [A]	20	
<b>Battery (Built-in)</b>		
Battery Type	Lithium	
Rated Voltage [V]	48	
Voltage Range [V]	45~60	
No Load Loss [A]	<1	
Rated Capacity [kWh]	5.12	10.24
<b>PV Input</b>		
Max.Input Power [W]	2800	4500
Input Voltage Range [V]	60~145	
Recommended PV String Voltage [V]	105	
Charging Mode	MPPT	
MPPT Number	1	1+1
Max, PV Charging Current [A]	50	40+40
<b>AC Output</b>		
Rated Output Power [VA]	3000	5000
Peak Output Power [VA]	5000	8000
Rated Output Voltage [V]	220+5%	
Output Frequency Range [Hz]	50/60±1%	
Output Wave Form	Sine Wave	
No Load Loss	<3%(@ rated power)	
THDi	<3% (@ linear load)	
Peak Efficiency	>90%	
Overload Protection	120%:Turn off Output after 1 min, 150%: Turn off Output after 10s	

# Battery system



Quality / Affordable / Service



Yohoo elec 3K/5K-SL

3K-SL

5K-SL

General Data		
Isolation Method	High Frequency Isolation	
Ingress Protection	IP20	
Cooling Method	Smart Fan Cooling	
Relative Humidity	5%~95%(non-condensing)	
Temp. Range [°C]	-20~+45	
Altitude [m]	5000(>1000 derating)	
Noise [dB]	≤55	
Display	LCD+LED	
Communication	RS485-RTU	
Weight [kg]	75	120
Dimension (w*D*H)[mm]	600*550*720	600*550*920

# Commercial and Industrial Energy Storage



Quality / Affordable / Service



Yohoo elec DKP-20

	DKP-20	DKP-40	DKP-50
<b>Product number</b>			
Product specifications	20kW/51.2kWh	30kW/61.44kWh	50kW/107kWh
Battery pack combination	256V200Ah/51.2kWh	307.2V200Ah/61.44kWh	716V150Ah/107kWh
Inverter power	20kw	30kw	50kw
DC battery standard voltage	256VDC	307.2VDC	716VDC
DC battery voltage range	212-288VDC	245-345VDC	582-806VDC
Battery cell type	LFP 3.2V/200Ah	LFP 3.2V/200Ah	LFP 3.2V/150Ah
Maximum charge/discharge power	22kW	33kW	55kW
Maximum input PV power	26kW	39kW	65kW
Rated grid voltage		380VAC	
Rated grid frequency		50/60Hz ±5Hz	
Battery cycle life	>6000 times (0.5C@25°C) Energy retention rate ≥80%		
Charge and discharge rate	≤0.5C		
System efficiency	Maximum efficiency 97%		
Thermal management	Intelligent air cooling		
Fire protection	PACK Aerosol/ Cabinet Aerosol		
UPS	Backup time: 10 minutes		
Control mode	Local		
Operation mode	Grid-connected/off-grid		
Communication mode	CAN/RS485/WiFi		
Access mode	AC bottom inlet/three-phase four-wire		
Ambient temperature	0°C~+50°C		
Ambient humidity	0~95%RH		
Storage temperature	-20°C~+60°C		
Operating altitude	2000m (>2000m derating)		
Protection level	IP54		
Product size	1000*1073*1925mm	1100*1525*1173mm	1000*1194*2200mm
Product weight	1100kg	1250kg	2100kg



# Commercial and Industrial Energy Storage



Quality / Affordable / Service



MEGA0500TS

## grid connected

output rating	500kW
rated voltage	400VAC
voltage range	320-460VAC
rated current	725A
maximum output current	797A
rated frequency	50/60Hz
THDI	<3%
power factor	1 advance ~1 lag (setting)

## off-grid connected

rated voltage	400VAC
THDU	<1% linearity <5% nonlinearity
rated frequency	50/60Hz
overload capacity	110% Long term

## Battery connected

Battery voltage range	500-850VDC
maximum current	1128A

## system parameter

Maximum conversion efficiency	98%
Dimensions (W*H*D)	1600*2050*1050mm
noise	<70dB
levels of protection	IP21
ambient temperature	-30~55°C
cooling-down method	air blast cooling
Allow relative humidity	0~95% (no condensation)
Allow altitude	5000m (drop over 3000m)

## Display and communication

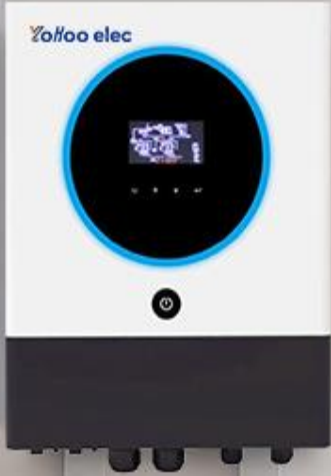
show	touch screen
BMS communication interface	RS485/CAN
Local communications	RS485, TCP/IP
attestation	CE, CGC, TUV



Rated service condition of the fire alarm controller

order number	name	service condition
1	ambient temperature	0~40°C
2	relative humidity	≤95%(40±2°C)
3	DC standby power	DC12V (two sections) 12Ah
4	main power source	AC220V (187V~242V) 50Hz±1%
5	Alarm current and voltage	3A/24V
6	Linkage current and voltage	3A/24V (independently isolated from the alarm power supply)

# Solar Inverter



# Solar Inverter



Hybrid Inverter 8KW

### PV String Input Data

Max. input Pv power (w)	10400
Rated PV Input Voltage (v)	370
Start-up Voltage (v)	125
MPPT Voltage Range (v)	150-430
Maximum PV Array Open Circuit Voltage (v)	500
Max. PV Input Current(A)	26+26
Max.Pv Short Circuit Current(A)	34+34
No.of MPPT Trackers/No.of Strings per MPPT Tracker	2/2+2

### AC Output Data

AC Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac,(single phase)
Rated AC Output Power (W)	8000
AC Output Rated Current (A)	36.4/34.8
Peak Power(W)	16000
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)	190/190
Max. efficiency	97.60%

### General Data

Operating Temperature Range (°C)	-40-60°C,>45°C Derating
Size (W x H x D mm)	630x413x258mm(Excluding connectors and brackets)
Weight (kg)	29
Protection Degree	IP65
Communication	RS485,CAN,WIFI

# 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)	702x422x281 (Excluding Connectors and Brackets)	
Weight (kg)	37.5	
Protection Degree	IP65	
Communication	RS485,CAN,WIFI	

# 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

# *Portable Power Station*



# Portable Power Station



**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(PPS-600W)	Parameters
Battery energy	648WH
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(PPS-1000W)	Parameters
Battery Energy	1120WH
AC Output Nominal Voltage	220-240VAC
AC Output Nominal Power	1000W
DC Output Type_C1 Output	100W(5V/3A,9V/3A,12V/3A,15V/3A,20V/5A)
DC Output Type_C2 Output	65W(5V/3A,9V/3A,12V/3A,15V/3A,20V/3.25A)
DC Output USB_A1 Output	18W(5V/3A,9V/2A,12V/1.5A)
DC Output USB_A2 Output	18W(5V/3A,9V/2A,12V/1.5A)
Car Charge Output	12V/10A.Max. 120W
Wireless charging output	5W/10W/15W
Charge Time	MAX800W About 50 Minute
Operating Temperature	-10~40°C(14~104°F)
Dimensions	420*205*197mm
Net Weight	about 15.6kg



# 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.

All in one trolley



Quality / Affordable / Service



All in one trolley  
(portable power station)

**Output**

AC Output:	6 x 240V/15A Outlets; 5000W In Total (230V/50Hz) 4 x 120V/20A Outlets; 1 x 120V/30A L14-30 1 x 120V/30A TT-30; 3600W in total(120V/60Hz)
Inverter Type:	Pure Sine Wave
Surge Power:	10000W (230V/50Hz)&7200W(110V/60Hz) 200ms
USB-C1/C2 Output:	PD 140W
USB-A1/A2/A3/A4 Output:	4 x 5V/3A
DC Output:	1 x 12V/10A (Car Output)    2 x 12V/10A DC 5521 (5.5mm Output)
RV Output:	12V/30A
LED Light:	5W

**General**

Capacity:	5120Wh / 1P16S
Battery type:	LiFePO4 (Lithium Iron Phosphate)
Life Cycles:	5000+ Cycles to 80% Original Capacity
App Control:	Yes; WiFi & Bluetooth Connection IOT ( Optional )
Scalability:	Expandable with 4x B500B
Weight:	≈75kg/165.35lbs
Dimensions (LxWxD):	20.55x14.13x32.76in/522x359x832mm
Operating Temperature:	14-104°F (-10-40°C)
Storage Temperature:	14-113°F (-10-45°C)

**Input**

AC Input:	3600W Max
Solar(MPPT) Input 1:	12-60V/12A 600W Max
Solar(MPPT) Input 2:	100-500V/15A 4200W Max
Car Input:	12/24V 8.2A

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**03** Yohoo Elec Core Advantages

# Company Advantages



# Four Major Factories



Quality / Affordable / Service



Yohoo-Dongguan

Global Headquarters:  
Battery & Inverter R&D



Minos - Indonesia

Indonesia:  
power supply manufacturing



Yohoo-Chongqing

Yubei: Photovoltaic panel ma  
nufacturing



Caria-India

India:  
Power cable manufacturing

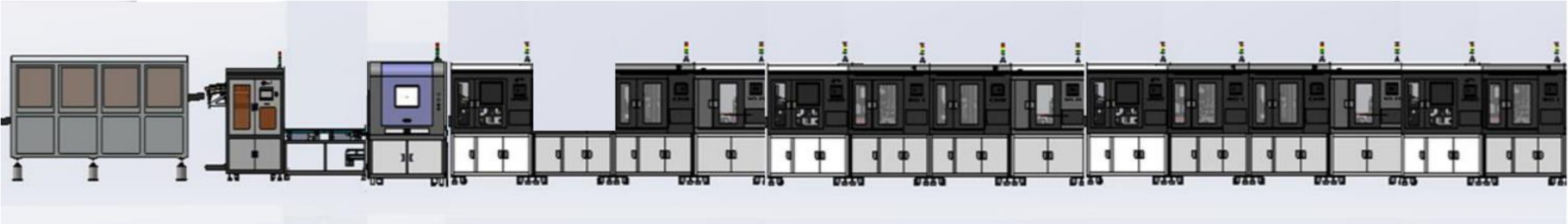
# Quality Certification



# Our Factory Pictures



# Our Factory Pictures



Automatic Production Workshop



# Test Equipments



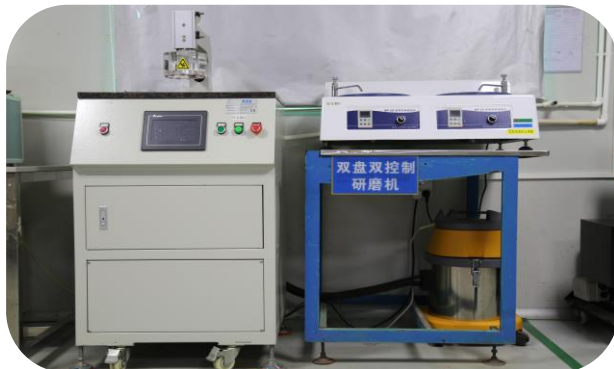
Constant temperature and heat laboratory equipment



Thermal shock test equipment



Roller drop test equipment



Double disc double control grinder equipment



Stress test equipment



Lightning strike generator equipment

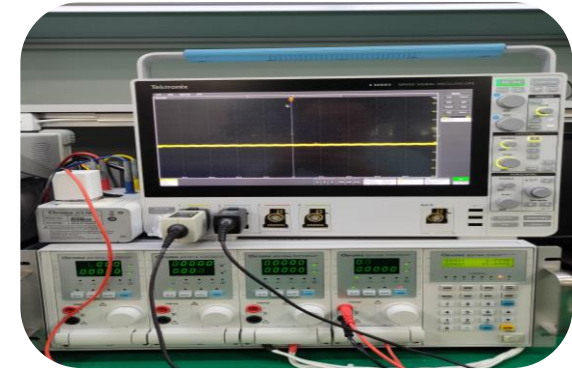
# Test Equipments



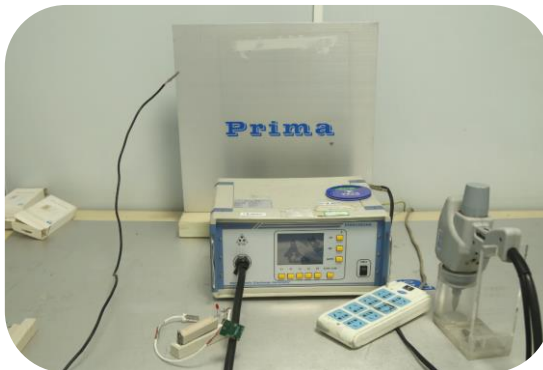
Constant temperature and humidity test equipment



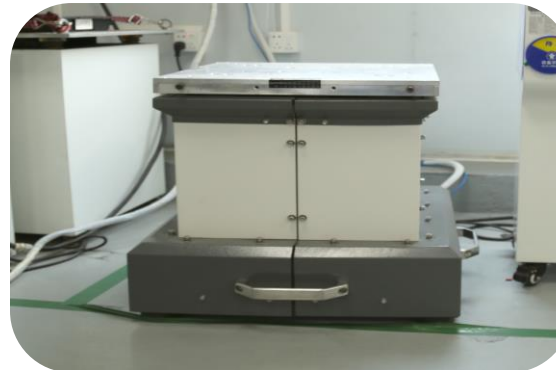
UV accelerated aging test machine



Tektronix digital oscilloscope, Chroma electronic load



Electrostatic discharge generator equipment



Horizontal and vertical vibration test equipment



Static test equipment

## Company Profile



Quality / Affordable / Service



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.

# *Looking forward to your cooperation*