中山市台铭(熳客)照明科技有限公司
Zhongshan Taiming (Manke) Lighting Technology Co., Ltd
深圳市七魅科技有限公司
Shenzhen Qimei Technology Co., Ltd.

便携式户外储能
家庭储能产品

PORTABLE OUTDOOR ENERGY STORAGE
HOME ENERGY STORAGE PRODUCTS

All-in-One



公司简介
Company Profile



生产车间 Production Workshop



老化车间 Aging Room



中山台铭照明科技有限公司在锂离子电池和BMS(电池管理系统)的制造方面拥有丰富的经验，这为台铭智能在智能太阳能储能系统领域奠定了坚实的基础。本公司是一家集便携式户外储能、一体化家庭储能及太阳能照明系统产品设计、研发、生产、销售于一体的现代企业。

公司严格实施现代生产管理体系，以确保产品质量和企业运营均符合国际标准。我们已在国内和国际上获得了多项权威认证，包括FCC、CE、UN38.3、MSDS等。产品广泛应用于户外露营、家庭备用电源、应急救援、户外施工等场景，并致力于为全球用户提供安全、便捷、可靠的能源存储解决方案和太阳能应用方案。可提供OEM/ODM服务，以满足您个性化的需求。

Zhongshan Taiming Lighting Technology Co., Ltd. has extensive experience in the manufacturing of lithium-ion batteries and Battery Management Systems (BMS), which has laid a solid foundation for Taiming Intelligent in the field of intelligent solar energy storage systems. Our company is a modern enterprise integrating product design, R&D, production, and sales of portable outdoor power storage, all-in-one home energy storage, and solar lighting systems.

The company strictly implements a modern production management system to ensure that product quality and corporate operations comply with international standards. We have obtained multiple authoritative certifications both domestically and internationally, including FCC, CE, UN38.3, MSDS, etc. Our products are widely used in scenarios such as outdoor camping, home backup power, emergency rescue, and outdoor construction. We are committed to providing global users with safe, convenient, and reliable energy storage solutions as well as solar application solutions. OEM/ODM services are available to meet your personalized needs.



叠加式设计的核心价值

The core value of the stacked design is

1.灵活扩容，适配需求升级---采用模块化叠加设计

2.多源互补，提升供电稳定性---整合光伏、电网、备用电源多能源输入

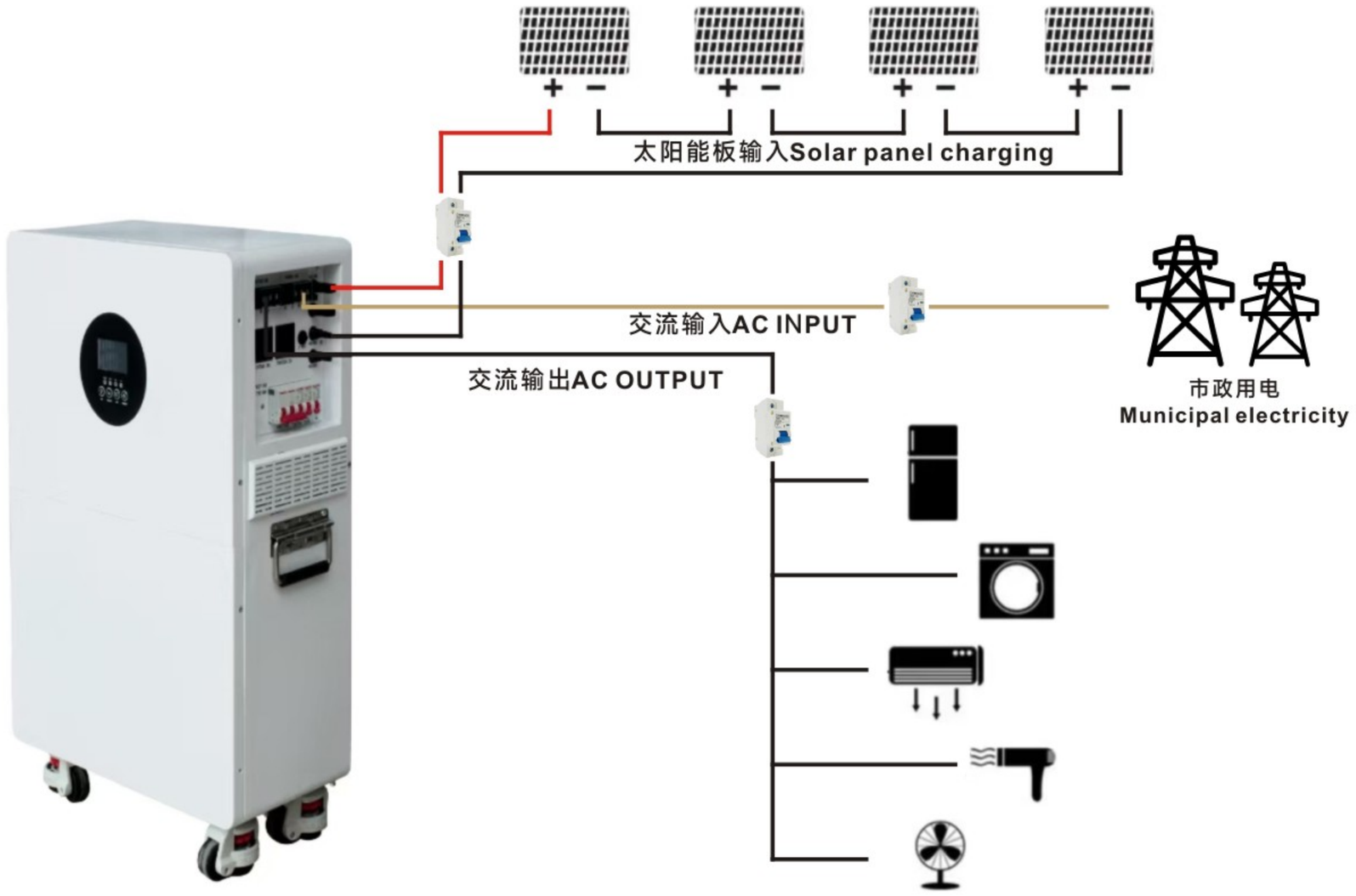
3.高效节能，降低用电成本---谷时充电、峰时放电，对接光伏系统

4.安全可靠，适配家庭场景---具备过充、过放、过温、短路保护功能

1. Flexible Expansion to Meet Upgrading Needs – Modular Stackable Design
2. Multi-Source Complementarity for Enhanced Power Stability – Integrates PV, Grid, and Backup Power Inputs
3. High Efficiency & Energy Cost Reduction – Charge During Off-Peak Hours, Discharge During Peak Hours, Works with PV Systems
4. Safe & Reliable for Home Use – Features Over-Charge, Over-Discharge, Over-Temperature, and Short-Circuit Protection

一体机应用场景 All-in-One Unit Application Scenarios

磷酸铁锂电池储能系统
LiFePO4 Battery System of Energy Storage



1.采用高品质磷酸铁锂电池一体化设计，使用安全，寿命长，安装简单。
2.内置智能BMS，集成断路器，确保系统安全。
3.智能混合型逆变器，MPPT充电，内置UPS，断电时自动切换，作为家庭备用电源，
4.支持太阳能光伏板、市电充电。

1. Integrated design with high-quality $LiFePO_4$ batteries — safe, long-lasting, and easy to install.
2. Built-in intelligent BMS with integrated circuit breaker for enhanced system safety.
3. Smart hybrid inverter featuring MPPT charging and built-in UPS — automatically switches to backup mode during power outages, serving as a home backup power source.
4. Supports charging from both solar PV panels and AC grid.



型号	MK-3000	MK-5000	MK-10000	MK-15000
额定功率 Rated Power	3500W	3600W	3600W	6300W
标称电压	25.6V	25.6V	25.6V	51.2V
	120AH	200AH	314AH	314AH
额定能量 Rated energy	3072WH	5120WH	8038WH	16076WH
交流输入电压	220V-230V	220V-230V	220V-230V	220V-230V
交流电压范围	110-230Aac	170-280Aac	170-280Aac	170-280Aac
频率范围 Frequency Range	50HZ/60HZ	50HZ/60HZ	50HZ/60HZ	50HZ/60HZ
最大光伏阵列功率	1200W	5000W	5000W	5500W
最大光伏阵列开路电压 Maximum PV Array Open Circuit Voltage	60V	500VDC	500VDC	500VDC
MPPT范围@工作电压 MPPT Operating Voltage Range	36-60V	120ADC-450VDC	120ADC-450VDC	120ADC-450VDC
MPPT	1	1	1	1
市电电压 Grid Voltage	230Vac±5%	230Vac±5%	230Vac±5%	230Vac±5%
	50HZ	50HZ	50HZ	50HZ
	95%	95%	95%	95%
	24V（8串铁锂 8S $LiFePO_4$）	24V（8串铁锂 8S $LiFePO_4$）	24V（8串铁锂 8S $LiFePO_4$）	48V（16串铁锂 16S $LiFePO_4$）
	三段式充电 3-stage charging	三段式充电 3-stage charging	三段式充电 3-stage charging	三段式充电 3-stage charging
最大充电电流（MPPT）	40A	80A	80A	100A
最大充电电流（交流）		80A	80A	80A
最大充电电流 Maximum Charging Current	40A	100A	100A	120A
		23V	23V	23V
保护功能 Protection Functions	输出短路、过载、过温保护等功能 Output short circuit, overload, and over-temperature protection			
工作温度 Operating Temperature	-10℃-50℃			
贮存温度 Storage Temperature	-15℃-60℃			
相对湿度 Relative Humidity	5%-95%			
尺寸 Dimension	570*430*220mm	700*500*240mm	800*500*260mm	1100*500*260mm
重量 Weight	40KG	50KG	70KG	140KG

光伏混合逆变器
Photovoltaic hybrid inverter

·纯正弦波输出
Pure sine wave output

·超宽的MPPT充电范围
Extremely wide MPPT charging range

·具有并网模式，离网模式，混合模式可调
It has grid-connected mode, off-grid mode，and adjustable hybrid mode.

逆变器工作示意图 Inverter Working Diagram









逆变器/Inverter

型号 Mode	MK-INV3324	MK-INV6348	MK-INV1148	MK-INV1248
额定输入电压 Rated input voltage	220V			
输入电压范围 Input voltage range	170-280V/90-280V			
输入频率范围 Input frequency range	50HZ/60HZ			
输出额定功率 Outputrated power	3300W	6300W	10300W	12300W
输出电压 Output voltage frequency	220V-240V			
输出频率 Outputf	50/60HZ 正负1%			
波形 Waveform	纯正弦波 Pure sine wave			
最大光伏输入功率 Maximum PV Input Power	5000W	7000W	6000W*2	6000W*2
MPPT跟踪电压范围 MPPT Tracking Voltage Range	40Vdc-450Vdc	40Vdc-450Vdc	80Vdc-450Vdc	80Vdc-450Vdc
额定光伏输入电压 Rated input voltage	240Vdc	240Vdc	280Vdc	280Vdc
最大光伏输入电流 Maximum PV Input Current	18A	18A	22A*2	27A*2
MPPT跟踪路数 MPPT Tracking Channels	1路	1路	2路	2路
电池类型 Battery Type	锂电池 Lithium battery			
额定电池电压 Rated Battery Voltage	24Vdc	48Vdc	48Vdc	48Vdc
电池电压范围 Battery Voltage Range	21-30Vdc	42-60Vdc	42-60Vdc	42-60Vdc
通讯端口 Communication Port	RS485 .RS232 WIFI			
运行环境温度 Operating ambient temperature	-10°C~50°C			
储存温度 Storage temperature	-15°C~60°C			
运行环境湿度 Operating environment humidity	0%~95% , 无凝露 No condensation			
噪音 Noise	≤55dB			
产品尺寸 Product Size	325*275*102mm	390*320*112mm	535*462*117mm	630*540*130mm

电池/Battery

型号	MK-B48100	MK-B48200	MK-B48314
锂电池技 Lithium batterytechnology	LiFePO4		
往返效率 Round trip efficiency	98%		
直流侧标称电压 Nominal voltage of DC side	51.2V		
标称能量 Nominalenergy	5120WH	10000WH	15000WH
工作电压范围 Workingvoltage range of DC side	40-58.4V		
标准电电流 Standard charging current	50A	100A	150A
最大放电电流 Maximumdischarge current	100A	200A	200A
充电工作温度范围 Charging workingtemperature range	0°C-55°C		
电工作温度范围 Discharge operating temperature range	-20°C-55°C		
最佳工作温度范围 Optimum operating temperature range	-15°C-35°C		
存储要求 Storage requirements	he battery is protected at 35% SOC or the voltage is 3.285V-3.305V		
环境温度要求 Ambient temperature requirements	<65%RH		
产品通信方式 Product communication	RS485 .RS232 WIFI		

移动电源应用场景

Mobile Power Bank Application Scenarios

便携式移动电源内置高性能A品磷酸铁锂电芯、BMS管理系统、高效逆变转换电路，可做家庭、办公、户外露营以及应急备用电源，

The portable power station is equipped with high-performance Grade A $LiFePO_4$ battery cells, a Battery Management System (BMS), and a high-efficiency inverter conversion circuit. It can serve as a reliable power source for home, office, outdoor camping, and emergency backup applications.






型号 Model	MK300-192	MK500-384	MK600W-384	MK800W-576
功率 Power	300W AC220V	500W AC220V	500W/600W AC220V	800W AC220V
输出波形 Output waveform	修正弦波 Mod fied sine wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave
电池容量 Battery capacity	12.8V 15AH	12.8V 30AH	12.8V 30AH	12.8V 45AH
额定容量 Rated Capacity	192WH	384WH	384WH	576WH
交流输入 AC input	14.6V 3A	14.6V 3A	14.6V 6A	14.6V 6A
太阳能板输入 Solar panel input	15V 5A	15V 5A	15V~18V 6A	15V~18V 6A
交流输出 AC output	220V 50HZ *2PCS	220V 50HZ *2PCS	220V 50HZ *2PCS	220V 50HZ *2PCS
USB输出 USB output	USB3.0*2PCS	USB3.0*2PCS	USB3.0*2PC Type-c*1PC	USB3.0*2PC Type-c 1PC
DC输出 DC output	12V 3A *2PCS	12V 3A *2PCS	12V 3A *2PCS	12V 3A *2PCS
使用温度 Operating temperature	-20~40 ℃	-20~40 ℃	-20~40 ℃	-20~40 ℃
LED照明 LED lighting	3W*1PC	3W*1PC	8W*1PC	8W*1PC
重量 Weight	2.5KG	2.5KG	6KG	7KG
产品尺寸 Product Size	220*160*150 mm	220*160*150 mm	295*202*246 mm	295*202*246 mm
颜色可选 Optional color			蓝 绿 橙 Blue Green Orange	蓝 绿 橙 Blue Green Orange

欠压保护 Under Voltage Protection

过压保护 Over Voltage Protection

过流保护 Over Current Protection

过温保护 Over Temperature Protection

过载保护 Overload

过放保护 Over Discharge Protection

短路保护 Short-Circuit Protection

移动电源应用场景 Mobile Power Bank Application Scenarios

便携式储能产品在外出露营、登山、钓鱼时，它可以给冰箱、电饭煲、咖啡机、投影仪、无人机等设备供电，

Portable power storage products can supply power for devices such as refrigerators, rice cookers, coffee makers, projectors, and drones during outdoor activities like camping, hiking, and fishing.









型号 Model	MK300-192	MK1000W / 1200W - 8 76	MK1500W-1152	MK2000W-1664
功率 Power	300W AC220V	1000W / 1200W AC220V	1500W AC220V	2000W AC220V
输出波形 Output waveform	修正弦波 Modified sine wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave
电池容量 Battery capacity	12.8V 15AH	12.8V 6 7AH	25.6V 45AH	25.6V 65AH
额定容量 Rated Capacity	192WH	8 76WH	1152WH	1664WH
交流输入 AC input	14.6V 3A	29.2V 5A	29.2V 10A	29.2V 10A
太阳能板输入 Solar panel input	15V 5A	15V 10A	32V 10A	32V 10A
交流输出 AC output	220V 50HZ *2PCS	220V 50HZ *2PCS	220V 50HZ *4PCS	220V 50HZ *4PCS
USB输出 USB output	USB3.0*2PCS	USB3.0*5PCS Type-c*1PC	USB3.0*5PCS Type c*1PC	USB3.0*5PCS Type-c*1PC
DC输出 DC output	12V 3A *2PCS	12V 5A *2PCS	24V 5A *2PCS	24V 5A *2PCS
使用温度 Operating temperature	-20~40 C	-20~40 C	-20~40 C	-20~40 C
LED照明 LED lighting	3W*1PC	8W 2PCS	8W*2PCS	8W*2PCS
重量 Weight	2.5KG	9KG	15.5KG	16KG
产品尺寸 Product Size	205*75*325 mm	370*230*205 mm	405*265*265 mm	405*265*265 mm
包装尺寸 Packing size		420*290*295 mm	460*330*355 mm	460*330*355 mm

欠压保护 Under Voltage Protection

过压保护 Over Voltage Protection

过流保护 Over Current Protection

过温保护 Over Temperature Protection

过载保护 Overload

过放保护 Over Discharge Protection

短路保护 Short-Circuit Protection

移动电源应用场景 Mobile Power Bank Application Scenarios

便携式储能产品，适用于家庭应急备电、户外旅行、应急救灾、野外工作等应用场合。

Portable power stations are suitable for applications such as emergency power backup for households, outdoor travel, emergency rescue, and field work.

大容量大功率，户外居家全能供电。自驾露营、摆摊、停电应急、工地应用，家电数码都能带。

High capacity, high power — total power solution for outdoors & home. From road trips and camping to job sites and blackouts, powers all your appliances and devices.







型号 Model	MK3000W-2560	MK5000W-4608	MK8000W-5120
功率 Power	3000W AC220V	5000W AC220V	8000W AC220V
输出波形 Output wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave	纯正弦波 Pure sine wave
电池容量 Battery capacity	25.6V 100AH	25.6V 180AH	25.6V 200AH
额定容量 Rated Capacity	2560WH	4608WH	5120WH
交流输入 AC input	29.2V 10A	29.2V 30A	29.2V 30A
太阳能板输入 Solar panel input	32V 10A	720W 20A	720W 20A
交流输出 AC output	220V 50HZ *4PCS	220V 50HZ *4PCS	220V 50HZ *4PCS
USB输出 USB output	USB3.0*4PCS Type-c*2PCS	USB3.0*4PCS Type-c*2PCS	USB3.0*4PCS Type-c*2PCS
DC输出 DC output	24V 5A *2PCS	24V 5A *2PCS	24V 5A *2PCS
使用温度 Operating temperature	-20~40°C	-20~40°C	-20~40°C
LED照明 LED lighting	10W*2PCS	15W*2PCS	15W*2PCS
重量 Weight	27KG	42KG	42KG
产品尺寸 Product Size	480*270*350 mm	680*280*438 mm	680*280*438 mm
包装尺寸 Packing size	560*360*465 mm	768*365*490 mm	768*365*490 mm

欠压保护 Under Voltage Protection

过压保护 Over Voltage Protection

过流保护 Over Current Protection

过温保护 Over Temperature Protection

过载保护 Overload Protection

过放保护 Over Discharge Protection

短路保护 Short Circuit Protection

铅改锂系列 Lead-Acid to Lithium Conversion Series



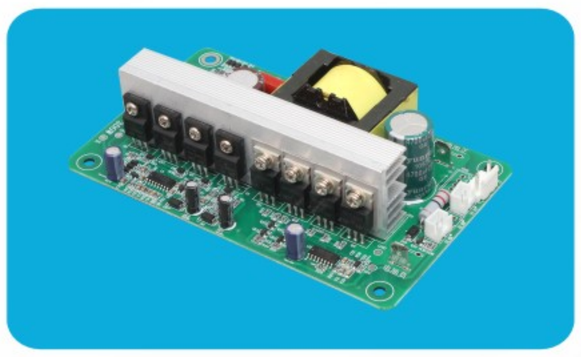
功率 Power	12100	12120	12150	12200	12300	24100	24150	24200	24300
电压 Voltage	12. 8V					25. 6V			
电池容量 Battery capacity	100AH 1280Wh	120AH 1536Wh	150AH 1920Wh	200AH 2560Wh	300AH 3840Wh	100AH 2560Wh	150AH 3840Wh	200AH 5120Wh	300AH 7680Wh
电芯类型 Cell Type	LiFePO4					LiFePO4			
组合方式 Compound mode	4SIP					8SIP			
充电截止电压 Charging cut-off voltage	14.6V					29.2V			
放电截止电压 Discharge cut-off voltage	10V					20V			
最大充电电流 Maximum charging current	50A	60A	75A	100A	150A	100A	150A	150A	200A
最大放电电流 Maximum discharge current	100A	120A	150A	200A	400A	200A	300A	300A	400A
显示屏 Monitor	LCD					LCD			
产品尺寸 Product Size	307*169 *208mm	329*172 *214mm	532*207 *215mm	532*207 *215mm	520*269 *220mm	532*207 *215mm	532*207 *215mm	532*207 *215mm	520*269 *220mm
使用温度 Operating temperature	-20~60℃					-20~60℃			
海拔 Altitude	<4000m(>2000m derating)					<4000m(>2000m derating)			
IP等级 IP Rating	IP21					IP21			
相对湿度 Relative Humidity	0~95% No condensation					0~95% No condensation			
循环寿命 Cycle Life	6000 Time					6000 Time			
质保 Quality Assurance	3 Years					3 Years			
安装方式 Installation Method	Portable					Portable			



光储逆变器电源方案 Solar Storage Inverter Power Solution

核心定位: 为各类设备提供稳定、高效的逆变解决方案，适配工业、民用、商用等多场景，并可根据客户需求进行深度定制，实现能源的最优转换与利用。

Core Positioning: To provide stable and efficient inverter solutions for all types of equipment, adaptable to industrial, household, and commercial scenarios. Deep customization is available based on customer requirements to achieve optimal energy conversion and utilization.



大功率逆变器 High-Power Inverter（3000W-10000W）

优势：抗干扰能力强，适应高低温环境(-40°C~85°C)，稳定性高，支持过载、过压、短路保护。
应用：工业自动化设备、家庭供电、户外工业设备、通信基站配套。

Advantages: Strong anti-interference capability, wide operating temperature range (-40°C to 85°C), high stability, and support for overload, over-voltage, and short-circuit protection.
Applications: Industrial automation equipment, home power supply, outdoor industrial equipment, and communication base station supporting facilities.



小功率逆变器 Low-Power Inverter（500W-3000W）

优势：低功耗、噪音小，安全可靠，适配多种民用设备，安装便捷。
应用：家用智能设备、小型家电、安防监控设备、便携式电子设备配套。

Advantages: Low power consumption, quiet operation, safe and reliable, compatible with a wide range of household devices, and easy installation.
Applications: Home smart devices, small household appliances, security monitoring equipment, and portable electronic device supporting facilities.



定制化电源解决方案 Customized Power Solutions

优势：贴合客户实际应用场景，灵活性高，技术团队全程跟进，快速落地样品及量产。
应用：特殊设备供电、小众场景应用、高端定制化产品配套。

Advantages: Tailored to customers' actual application scenarios, high flexibility, full-process support from our technical team, and rapid turnaround from sample to mass production.
Applications: Power supply for specialized equipment, niche scenario applications, and high-end customized product supporting.

家庭储能系统解决方案

Home Energy Storage System Solutions



工厂地址：广东中山古镇东兴路33号天宏智慧产业园7栋
国际贸易部门地址：深圳市光明区新湖街道圳美社区中源大厦A202
门市地址：广东中山古镇瑞丰配件城14栋25号
联系电话：15627591474 / 15361680708 / 13332630496
官方网站：https://fortunevast.shop/

Factory Address: Building 7, Tianhong Smart Industrial Park, No. 33 Dongxing Road, Guzhen, Zhongshan, Guangdong, China
International Trade Department: Room A202, Zhongyuan Building, Zhenmei Community, Xinhu Subdistrict, Guangming District, Shenzhen, China
Store Address: No. 25, Building 14, Ruifeng Parts City, Guzhen, Zhongshan, Guangdong, China
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Website: https://fortunevast.shop/