

PRODUCT CATALOG · 2026

LiFePO4 All-in-One Solar Energy Storage



Portable power stations 1–2 kWh · Home & business systems 2.5–16 kWh

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广州海旭国际贸易有限公司



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Portable Line 1–2 kWh

Plug-and-play solar power stations for homes, shops and off-grid customers – our main range.



1KA-500F1

1 kWh · 500 W

Compact backup for lights, TV, router, laptop and phone charging

Battery capacity	1 kWh (3.2V 314Ah)
Inverter output	500 W pure sine wave, 230/240 V 50 Hz
AC output socket	UK BS 1363
Max PV input	300 W
MPPT voltage range	11–55 V DC
Cells	Grade A LiFePO4 (REPT)
Cycle life (rated)	6,000 cycles
IP rating	IP20 (indoor)
Size (mm)	290×270×140
Net weight	8 kg



2KA-1KF1

2 kWh · 1 kW

Double capacity for shops, kiosks and home backup

Battery capacity	2 kWh (3.2V 628Ah)
Inverter output	1 kW pure sine wave, 230/240 V 50 Hz
AC output socket	UK BS 1363
Max PV input	500 W
MPPT voltage range	12–60 V DC
Cells	Grade A LiFePO4 (REPT)
Cycle life (rated)	6,000 cycles
IP rating	IP20 (indoor)
Size (mm)	280×260×215
Net weight	17 kg

Standard features

- Metal housing with integrated MPPT solar charge controller, off-grid inverter and LiFePO4 battery
- UK BS 1363 output socket, 230/240 V 50 Hz pure sine wave output
- Charges from solar or mains (AC input); USB charging port
- Solar (PV) connection cable included
- Safe, long-life LiFePO4 chemistry with Grade A cells
- 24-month whole-unit warranty

Typical uses: lighting, TV, decoder, Wi-Fi router, phone & laptop charging, small fans, POS terminals, barber clippers – backup during power outages and off-grid daily solar use.

Home & Business Line 2.5–16 kWh

Floor-standing all-in-one systems for homes, shops, offices, clinics and small businesses.



Model	Capacity	Inverter pure sine	Max PV	MPPT range	Cells	Cycle life	IP	Size (mm)	Net wt.
COMPACT · 2.56 KWH									
ST2K5A-3KF1-A1	2.56 kWh 25.6V 100Ah	3 kW	3 kW	40–450 V	Grade A Great Power	2,500	IP20	355×220×515	30.15 kg
5 KWH CLASS									
ST5K1A-3KF1-A1	5 kWh 25.6V 200Ah	3 kW	5 kW	40–450 V	Grade A Dejin	3,000	IP20	660×450×230	38 kg
ST5K1A-5KF1-A1	5 kWh 25.6V 206Ah	5 kW	9 kW	60–450 V	Grade A	3,000	IP20	660×450×230	40 kg
ST5K1A-6KF1-A1	5 kWh 51.2V 100Ah	6 kW	6 kW	60–450 V	Grade A Great Power	2,500	IP20	450×270×615	51.1 kg
8–10 KWH CLASS									
ST8KA-5KF1-A1	8 kWh 25.6V 314Ah	5 kW	9 kW	60–450 V	Grade A	3,000	IP20	385×325×520	60 kg
ST10K2A-6KF1-A1	10 kWh 51.2V 206Ah	6 kW	8.5 kW	60–450 V	Grade A Dejin	3,000	IP20	485×270×760	88 kg
ST10K2A-10KF1-A1	10 kWh 51.2V 206Ah	10 kW	12 kW	60–450 V	Grade A Dejin	3,000	IP20	505×306×820	105 kg
16 KWH CLASS									
ST16K0A-6KF1-A1	16 kWh 51.2V 314Ah	6 kW	6 kW	60–450 V	Grade A REPT	6,000	IP20	510×377×770	115 kg
ST16K0A-12KF1-A1	16 kWh 51.2V 314Ah	12 kW	12 kW	60–450 V	Grade A REPT	6,000	IP20	510×377×770	120 kg

Standard features

- 230/240 V 50 Hz pure sine wave output, UK BS 1363 socket*
- Floor-standing metal cabinet on casters
- Integrated high-voltage MPPT (up to 450 V DC)
- Off-grid single-phase inverter + LiFePO4 battery in one unit
- Solar and mains charging
- LCD display
- Communication port on 51.2 V models
- Optional WiFi monitoring
- 24-month whole-unit warranty

Choosing a size: 2.56–5 kWh – homes and shops (lights, TV, fridge, fans, computers) · 8–10 kWh – larger homes, offices, clinics, pumps · 16 kWh – guesthouses, small businesses and longer backup. Inverter power sets how much load runs at once; capacity sets how long.

*10 kW and 12 kW models: AC output configuration confirmed per order. Cycle life = rated battery cycles (manufacturer data). Capacity shown is nominal. Specifications subject to change; final configuration confirmed per order.

Why work with us

A Guangzhou-based China sourcing partner for solar and battery dealers worldwide.

Professional Chinese factories

Products sourced from experienced LiFePO4 energy-storage manufacturers in China, built with Grade A cells (REPT, Great Power, Dejin).

Competitive dealer value

Dealer pricing that leaves room for your margin – quoted FOB Shenzhen or Guangzhou, or CIF to your port.

Small MOQ, trial orders welcome

Start with a small order, test the market, then scale up.

Fast response

Talk to us on WhatsApp or by email. Quick quotations and order follow-up from production to shipment.

After-sales coordination

24-month whole-unit warranty. We coordinate technical support and warranty claims with the factory.

OEM / private label

Your brand on the product and packaging – logo, colours and carton design.

Options

WiFi monitoring module (home & business models)

OEM / private label – logo & packaging

FOB Shenzhen or Guangzhou · CIF your port

Shipping & compliance

- Certifications & documents: **CE / IEC 62619 / UN38.3 / MSDS**
- Support with import and destination-country certification documents
- Lead time: typically about 30 days after deposit
- Payment: 30% deposit, balance before shipment

Ask us for a dealer quotation

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