

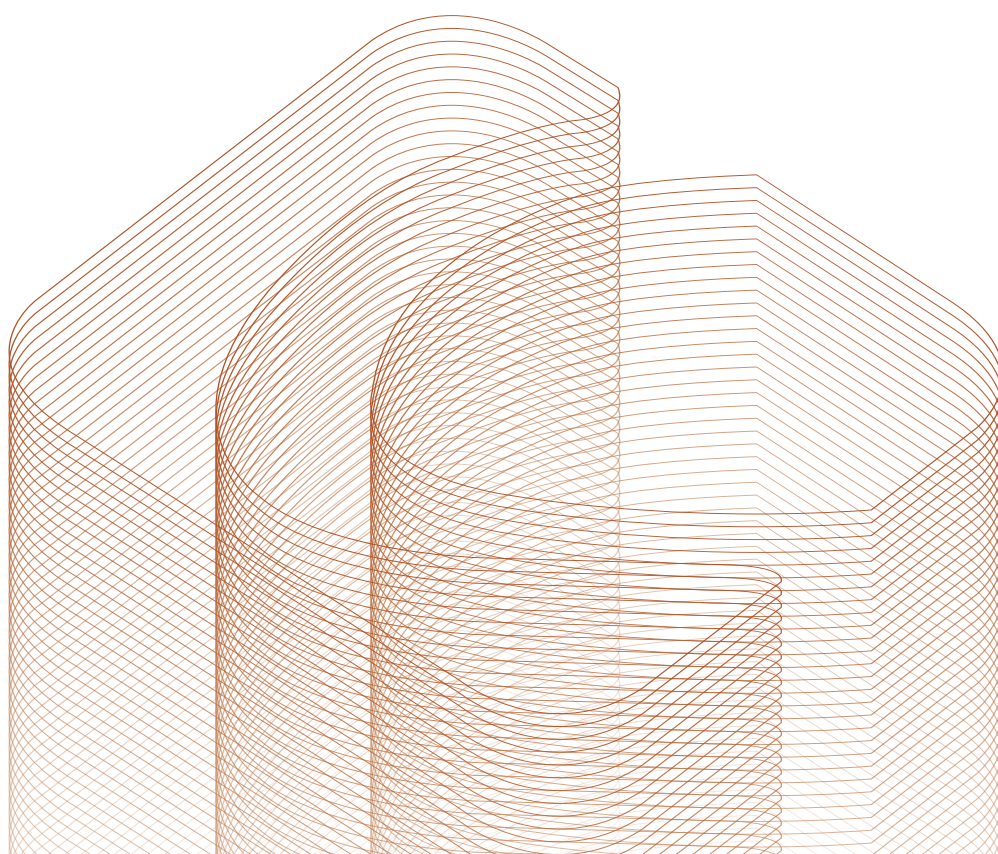


13kWh 用户侧 移动储能电池包

13kWh USER-SIDE

MOBILE ENERGY STORAGE BATTERY PACK

13kWh



产品概述 >>>

Product Overview



本品为 13kWh 一体式移动储能电池包，采用高安全、长循环的磷酸铁锂（LiFePO₄）125Ah 电芯，内置智能 BMS 电池管理系统，集成直流空开、通讯接口及可视化显示屏，实现智能管控。

产品采用轮式移动设计，可灵活部署于户外作业、家庭应急、商业活动等无电场景，提供稳定可靠的离网电力支撑。

This product is a 13kWh all-in-one mobile energy storage battery pack , adopts with high-safety, long-cycle lithium iron phosphate (LiFePO₄) 125Ah battery cells, build-in smart BMS, DC MCB, communication interfaces and a visual display to achieve intelligent management and control.

The wheeled mobile design allows flexible deployment in outdoor operations, home emergencies, commercial activities, and other off-grid scenarios, provides stable and reliable off-grid power support.

产品特点 >>>

Product Features

01 可用电量领先,收益更高/More Usable Electricity, Higher Returns

- 最大放电深度(DOD)达**98%**,可用电量大于**13kWh**;
The maximum depth of discharge (DOD) reaches 98%, with usable capacity exceeding 13 kWh.
- 较同级产品有效放电量提升近9%;
Delivers nearly 9% more usable capacity than comparable products.
- 充放电转换效率更高,用户实际用电收益更可观;
Higher charge-discharge efficiency means greater electricity savings for users.

02 防护全面,部署轻松/Full Protection, Easy Deployment

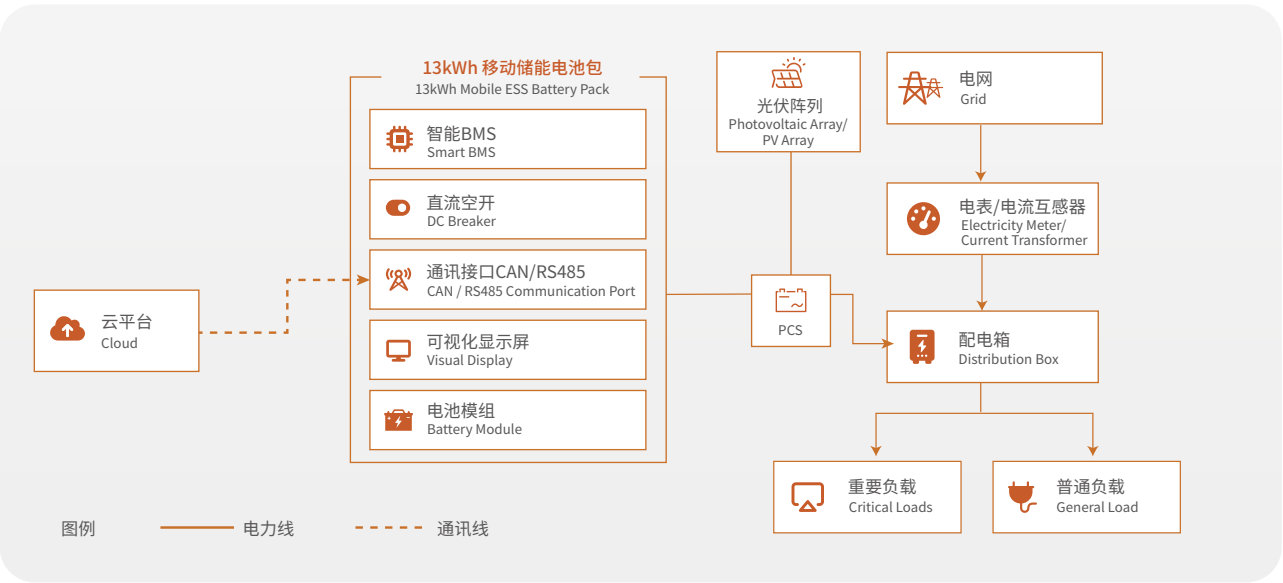
- 整机防护等级达**IP65**,无惧雨淋与扬尘,户外全天候可靠运行;
Rated IP65 against rain and dust for reliable all-weather outdoor operation.
- 采用紧凑化结构设计与轮式移动方案,整机仅重**105kg**;
Compact structure with wheeled mobility keeps the unit at just 105kg.
- 较同级产品减重15%,单人即可轻松完成搬运与现场部署,大幅降低安装与转场成本;
15% lighter to easily transport and deploy at site by single person, lower installation and transfer costs.

03 主动均衡,寿命长久/Active Balancing, Longer Life

- 搭载**2A大电流主动均衡BMS**,实时动态调节各电芯电压一致性
2A active-balancing BMS equalizes cell voltages in real time.
- 确保每颗电芯充分可用,有效延缓压差累积与容量衰减
Every cell stays fully usable — less voltage drift, slower capacity fade.
- 循环寿命显著延长,为用户提供长期稳定的储能价值
long-lasting stable energy storage value.

► 系统拓扑

System Topology



规格参数 >>>

Specification

型号/Model	
产品型号/Product number	LHD51E13KP10K
电池类型/Battery type	方形磷酸铁锂电芯 Prismatic lithium iron phosphate battery cell
电池包配置/Battery pack configuration	125Ah*2P16S
工作电压范围/Operating voltage range	44.8~57.6V
额定功率/Rated power	6.1kW (@95%效率 / @ 95% efficiency)
额定电压/Rated voltage	51.2V
额定电流/Rated current	125A
最大充放电电流/Max. Charge/Discharge current	200A
额定容量/Rated capacity	13kWh

常规参数/parameters

尺寸 (L×W×H)/Dimension	435×285×855mm(不含万向轮)/(Without universal wheels)
重量/Weight	105kg
安装方式/Installation method	落地安装/挂墙安装 /Floor-mount /Wall-mount
冷却方式/Cooling method	自然冷却 / Natural cooling
防护等级/Protection level	IP65
使用寿命/Service life	2000次(1/3C,80%DOD,@25°C) /2000cycles1/3C,80%DOD,@25°C)
工作温度范围/Operating temperature range	充电-20°C~+60°C/放电-30°C~+60°C Charging: -20°C~+60°C / Discharging:-30°C~+60°C
储存温度/Storage temperature	-40°C~+60°C
系统连接/System connection	最大支持 16个 PACK 并联 Supports up to 16 PACKs in parallel
通讯接口/Communication interface	CAN/RS485

应用场景 >>>

Application scenarios

01 家庭应急 停电备电·应急供电

Household Emergency Backup/ Backup Power for Outages · Emergency Power Supply



光伏+储能 家庭能源自给率 **70%**
PV + Energy Storage: Up to 70% Energy Self-Sufficiency.

关键负载连续运行超过 **10小时**
Supports continuous operation of critical loads for over 10 hours.

02 小商业体

Small Commercial Establishments



降本增效：单柜/2-3个柜并机,直接节省电费

Cut costs and boost efficiency – run a single cabinet or parallel 2-3 cabinets to directly save on electricity bills.

03 户外作业

Outdoor Operations



灵活与便捷：提供现场、临时的稳定电力

Flexibility & convenience: provides stable, on-site, temporary power supply.



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