



# HBPACK-W 系列 移动轮式/壁挂两用 电池包

Wheeled & Wall-Mountable  
Lithium Battery Pack



节省空间  
Space saving



实时监控  
Real time monitoring



灵活组装  
Flexible assembly



持久耐用  
Durable



智能BMS  
Intelligent BMS



成本效益兼顾  
Balancing cost-effectiveness



性能卓越  
Excellent performance



安全可靠  
Safe and reliable

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## 产品介绍

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HBPack-W系列带轮壁挂式电池包，是我司在传统储能电池系统基础上，针对现代用电场景对灵活性、移动性与空间利用率的迫切需求，进行创新性设计的新一代模块化储能产品。它能够在无市电或市电不稳定的环境下，提供持续、稳定、洁净的直流或交流电力输出，有效应对停电、限电及电力质量不佳等问题。

本系列产品集成了高能量密度锂离子电芯、智能电池管理系统(BMS)、高效双向逆变器(部分型号)于一体，采用独特的“带轮+壁挂”二合一设计。

产品具备智能化能量管理、人性化交互界面、安装方式灵活、安全可靠、即插即用等特点。

其BMS系统提供过充、过放、过流、短路、温度异常等多重安全保护，确保整个生命周期的使用安全。

## Product Introduction

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Our Battery Pack is a new generation of modular energy storage product innovatively designed by our company. Building upon traditional energy storage battery systems, it addresses the growing demand for flexibility, mobility, and space efficiency in modern power consumption scenarios.

It provides continuous, stable, and clean DC or AC power output in environments without grid power or with unstable grid power, effectively mitigating issues such as power outages, electricity restrictions, and poor power quality.

This series integrates high-energy-density lithium-ion cells, intelligent Battery Management System(BMS), and a high-efficiency bidirectional inverter(available in certain models) into a compact unit.

It features a unique "wheeled + wall-mountable" dual-design, offering smart energy management, a user-friendly interface, flexible installation options, high safety, reliability, and plug-and-play functionality.

The BMS provides multiple safety protections, including overcharge, over-discharge, over current, short-circuit, and abnormal temperature protection, ensuring safety throughout the entire life cycle.

## 应用场合

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可广泛应用于用于家庭应急备电、户外露营、房车旅行等。保障小微商铺、移动摊位、临时展位的收款机、照明等设备正常运行。为中小型企业、学校、医疗机构（非关键负载）提供应急电源，保障关键设备不断电。

服务于户外施工、通信维护、影视直播等场景，为专业工具和设备提供移动电力。

该产品适用于一切需要稳定、移动电力保障的场所。

## Application Scenarios

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It is widely applicable in various scenarios, including home emergency power backup, outdoor camping, and RV travels. It ensures the uninterrupted operation of equipment such as payment systems and lighting in small retail stores, mobile stalls, and temporary exhibition booths.

The product also serves as an emergency power source for small and medium-sized enterprises, schools, and medical institutions (non-critical loads), guaranteeing continuous power supply to key equipment.

It supports outdoor construction, communication maintenance, live video streaming, and other scenarios by providing mobile power for professional tools and devices. This product is suitable for any setting that requires stable and portable power support.



## 产品功能特点

- 1、安全可靠  
采用最稳定安全的磷酸铁锂 (LiFePO4) 电池。
- 2、高级防护  
内置电路断路器，提升安全性，可靠防范电气故障。
- 3、交互显示  
可选配触摸屏，实现无缝实时监控，支持英语、德语、意大利语、西班牙语、法语、阿拉伯语、波兰语、罗马尼亚语等多国语言。
- 4、APP监控  
支持远程诊断与实时数据监测
- 5、完美适配  
兼容市面上主流品牌的逆变器。
- 6、通讯便捷  
配备RS232/RS485/CAN总线接口，更关键的是支持蓝牙和WIFI功能。

## Features

- 1、Reassuring Foundation  
Adopted the most stable and safe lithium iron phosphate (LiFePO4) battery.
- 2、Advanced Protection  
Features a built-in circuit breaker for enhanced safety and reliable protection against electrical faults.
- 3、Interactive Display  
Optional touch screen for seamless real-time monitoring, supporting multiple languages including English, German, Italian, Spanish, French, Arabic, Polish, Romanian, and more.
- 4、APP Monitoring  
Remote diagnosis and real-time data monitoring.
- 5、Perfect Match  
Compatible with inverters of most main stream brands on the market.
- 6、Readily Available  
Equipped with RS232/RS485/CAN bus ports, the most important with bluetooth and WIFI function.

## 技术参数

电池包型号 Battery Pack Model	HBPack-W5000-L2	HBPack-W10000-L2	HBPack-W15000-L2
<b>系统参数 System Parameters</b>			
电池型号 Cell Type	LFP(LiFePO4)		
系统重量 Weight	46kg	89kg	117kg
尺寸(宽×高×深)mm Dimensions(W*H*D)	415×635×200mm	570×800×230mm	500×840×250mm
防护等级 Protection Rating	IP55(室内使用 Indoor Use)		
安装方式 Installation Method	≤16只并联,落地壁挂安装 ≤16 units in parallel, floor-mounted or wall-mounted installation		
<b>电气参数 Electrical Parameters</b>			
电能容量 Rated Energy Capacity	5.12kWh	10.24kWh	15.36kWh
最大充电/放电电流 Maximum Charge Discharge Current	50A/100A	100A	150A
放电深度(DOD) Depth of Discharge	90%		
额定电压 Rated Voltage	51.2V		
工作电压范围 Operation Voltage Range	43.2 ~ 58.4V		
转换效率 Conversion Efficiency	98%		
工作温度范围 Operation Temperature Range	-10°C ~ 55°C 充电 Charge & 放电 Discharge		
湿度 Humidity	5 ~ 95%(无冷凝 No Condensation)		
海拔 Altitude	< 2500m		
设计寿命 Design Life	> 10年 (> 10 Years)		
循环寿命 Cycle Life	≥6000@80%DOD, 25°C/0.3C		
<b>通信 Communication</b>			
通讯方式 Communication Mode	CAN & RS485 & RS22		
监控参数 Monitoring Parameters	系统电压、电流, 电芯电压, 电芯温度, PCBA温度检测 System Voltage, System Current, Cell Voltage, Cell Temperature, PCBA Temperature Monitoring		
<b>标准 Standard</b>			
电池包 Battery Pack	符合 IEC/EN 62619; UN38.3 Compliant with IEC/EN 62619; UN38.3		
电芯 cell	符合 IEC/EN 62619; UN38.3; UL1973 Compliant with IEC/EN 62619; UN38.3; UL1973		