LITHIUMVALLEY



Home Energy Storage Battery Series

W8-5C **48V 160Ah 7.68kWh**

Version: V1.2







The W8-5C is a comprehensive home wall-mounted solar Na-ion battery. It features built-in high-quality, high-capacity Na-ion batteries, ensuring a long system lifespan forthe battery. The independently designed Battery Management System (BMS) has been verified to be compatible with inverters from different brands,supporting hybrid grid-tied and off-grid operation modes.

FEATURES

Multi-Scenario

Wall-Mounted Energy Solution, Unleashing Household Energy Freedom

- PV Consumption + Peak-Valley Arbitrage, Emergency Backup + Grid Interaction
- Extreme Environment Guardian,Delivers 75% power output even in extreme -40°C cold starts
- Coastal/Humid Resistance: IP65 Rating + Anti-Corrosion Coating
- Space Optimization + Carbon Reduction, Compact Design, Carbon Emission Visualization

Longer Life and Safer

Intrinsic Safety Design: Wall-Mounted '10-Year Safe'

- Cell-Level Safety Fortress, 300°C Thermal Runaway Protection: Sodium Battery More Stable Than Lithium, Puncture/Cut Resistant - No Fire/Explosion
- BMS Smart Protection,Triple Protection: Overcharge/ Discharge/Short-Circuit Cutoff
- Wide Temperature Range: -40°C to 60°C with 75% Discharge Efficiency
- Ultra-Long Lifecycle Economics

Efficient Maintenance

Efficient Maintenance: AI-Powered, 70% Lower Operational Costs

- AI Life Prediction: 6-Month Early Warning, 92% Accuracy
- Remote Diagnostics: Real-Time Monitoring via APP
- Auto-Maintenance: Hibernation Mode, Monthly Self-Charging to 60%

Flexible and Expandable

Smart Scaling: Flexible Architecture, On-Demand Expansion

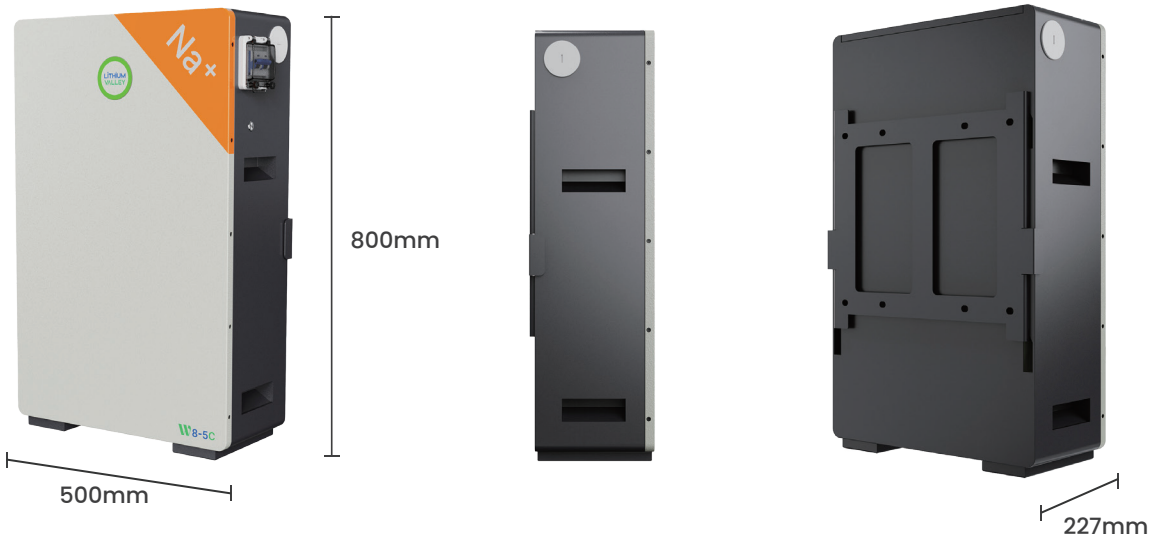
- Up to 20 units in parallel, The parallel system's max capacityis 153.6kWh
- Energy Ecosystem Integration

Certification

Global Safety Passport, Authoritative Quality Endorsement

- UN38.3, MSDS, Marine Report UL1973

Dimensions



Product Name	W8-5C
Electrical Characteristics	
Nominal Voltage	48V
Rated Capacity	160Ah
Energy	7680Wh
Cell Technology	Na-ion Battery
Cycle Life	9,000 cycles @ 90%DOD, 25°C/0.5C
Operating Voltage	32.0~55.2V
Communication Interfaces	RS232 / CAN / RS485
Scalability	Up to 20 units
Expansion Function	Aerosol Fire Extinguishing Device/Bluetooth
Charge & Discharge	
Standard Charging/Discharging Current	80A
Max continuous charge/discharge current	200A
Conversion Efficiency	99%, 25°C/0.5C
Environmental	
Working Environment	Indoors/Under the outdoors eaves
Charging Temperature	0~55°C（32° F~131° F）
Discharging Temperature	-40~60°C（-40° F~140° F）
Storage Temperature	20°C to 45°C (68 ° F to 113 ° F) with in three months; 25±3°C (77° F±5.4° F) for more than three months
Storage Humidity	65+20%RH
Cooling	Natural Convection
IP Rating	IP65
Mechanical	
Dimension(L*W*D)	800*500*227 mm
Weight(approximately)	112.5kg
Installation	Wall mounted or floor
Certification	
UN38.3, MSDS, Marine Report, UL1973	

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.

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