

Na 7.68 kWh/LV

48V 160Ah Rechargeable sodium-ion battery

The Na 7.68kWh/LV 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%

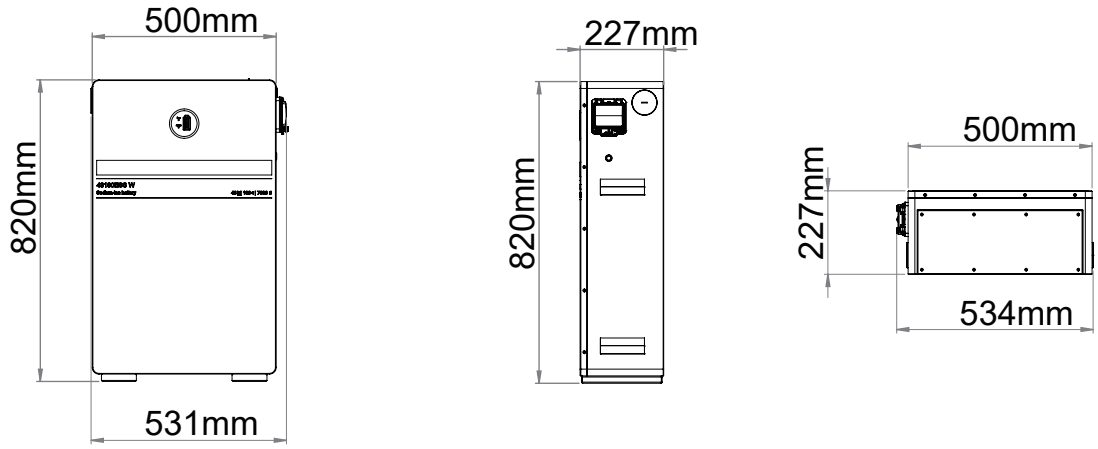
Flexible and Expandable

Smart Scaling: Flexible Architecture, On-Demand Expansion

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

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Dimensions



Parameters

	Model	Na 7.68kWh/LV
Electrical Characteristics	Nominal Voltage	48V
	Rated Capacity	160Ah
	Energy	7680Wh
	Cell Technology	Na-ion Battery
	Cycle Life	9000 cycles @ 80%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	Certification	UN38.3, MSDS, Marine Report, UL1973

Specifications are subject to change without further notification
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