

BYHV-261SLC **BYHV-261BLC**

261KWH ENERGY STORAGE SYSTEM SPECIFICATIONS

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△ If the models and specifications in this product catalogue change due to product updates, we will not provide prior notification.

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Product Introduction

The 125kW/261kWh liquid cooling energy storage system adopts an "All-In-One" design concept, with ultra-high integration that combines energy storage batteries, BMS (Battery Management System), PCS (Power Conversion System), fire protection, energy Storage Liquid Cooling Units, energy management, and more into a single unit, making it adaptable to various scenarios, at the same time, the system can flexibly adapt to different project requirements, support a simplified scheme without configuring PCS, and be compatible with direct access of inverters of different brands. This product features a prefabricated cabin design flexible deployment, convenient transportation, and no need for internal wiring and debugging. It responds quickly, boasts high reliability, and offers functions such as peak shaving, power capacity expansion, emergency backup power, grid balancing, capacity management, and multi-level parallel connection.

Application Scenario

It is suitable for industrial and commercial situations with high requirements for grid continuity, and can cover communication energy storage, grid frequency modulation energy storage, wind and solar micro-grid energy storage, large-scale industrial and commercial distributed energy storage, data center energy storage, and photovoltaic power generation business in the new energy field.

Product Features

Standard Design

Modular "All-In-One" integrated single cabinet design for ease of transportation, convenient shipping, and straightforward maintenance.

Intelligent and Efficient

Mature energy management strategies and equipment control, intelligent operation and maintenance, remote control to maximize the product's value.

High Safety

Multi-level fire protection system, graded isolation with interlocking safeguards, liquid cooling temperature control, ensuring the secure and stable operation of the product.

Flexible and Easy to Install

Supports multi-level parallel connection, bottom busbar design, maximizing land space utilization.

Automatic rehydration

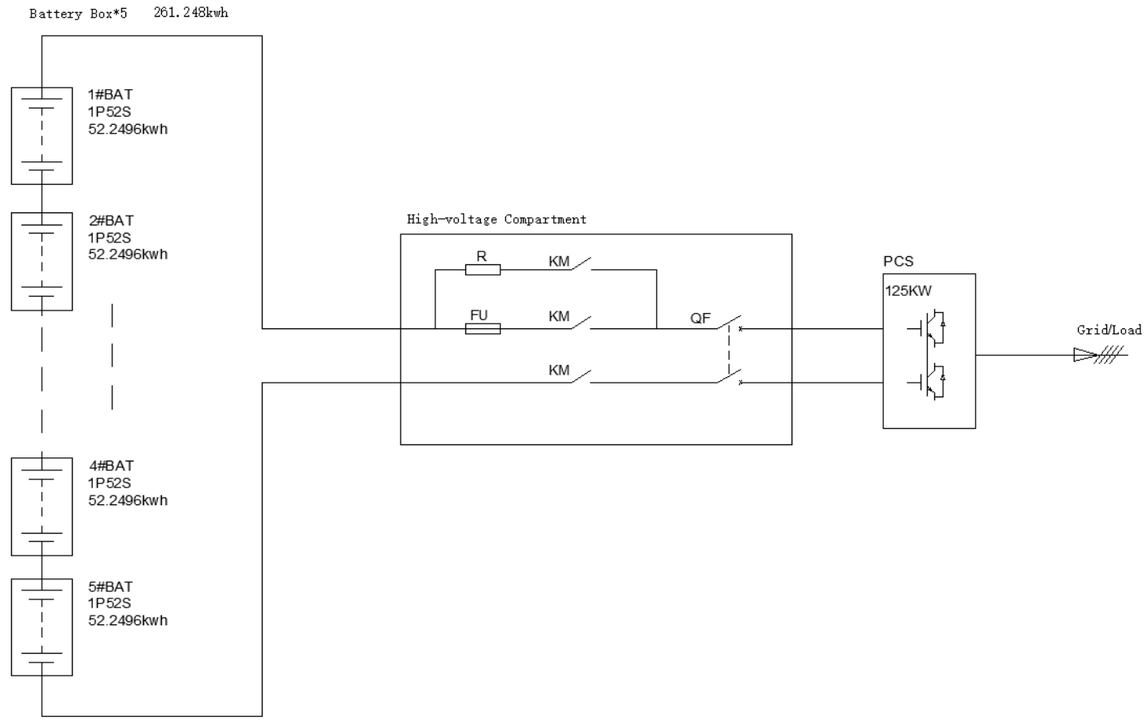
The liquid cooling circuit can be intelligently replenished according to the liquid level change, so as to ensure that the liquid cooling circuit is always in the best working state.

Active equilibrium

Equalization speed is faster, battery life is longer and energy efficiency is higher.

ENERGY STORAGE

Specifications and Model Description



Product Introduction

Product Model	BYHV-261SLC	BYHV-261BLC
		
DC Parameters		
Battery Type	314Ah, LFP	
Battery Grouping Method	1P260S (1P52S*5)	
Battery Rated Capacity	261kWh	
Battery Rated Voltage	832V	
Battery Voltage Range	728V to 936V	
Rated Charge/Discharge Current	150A	
Max. Charge/Discharge Current	180A	
Cycle Life	≥8000 cycles (at 25°C, 0.5C, 80% Depth of Discharge)	
AC Parameters		
Rated Power	125kW	/
Rated Voltage	AC380V to 415V	/
Rated Current	180A	/
Rated Frequency	50Hz/60Hz	/
Power Factor	0.99	/
Output Harmonics	< 3%	/
Connection Method	3P+N+PE	/
Isolation Method	Non-isolated	/
System Parameters		
System Energy Efficiency	≥92%	≥95%
Operating Modes	Grid-Tied / Off-Grid	
Communication Method	CAN, 485, TCP/IP	
Protection Level	IP55	
Anti-Corrosion Level	C3	
Noise	≤65dB	
Fire Protection	Aerosol	
Temperature	Operating Temperature: -29°C to +50°C, Storage temperature: 10°C to 35°C	
Operating Humidity	0% to 95% (no condensation)	
Altitude	≤2000m (derating above 2000m)	
Cooling Method	Intelligent Liquid Cooling	
Overall Dimensions (WHD)	(970±2)*(2200±3)*(1450±2)mm	
Weight	Approximately 2.6 tons(error: ±3%)	Approximately 2.5 tons(error: ±3%)
Compatible hybrid inverter	Cannot	Can (with 50kW or 125kW hybrid inverter)

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Installation Requirements

1. The installation environment should be dry, well-ventilated, free from corrosive substances, free from electromagnetic interference, and with a temperature between -29°C and 50°C.
2. The equipment should be placed on a stable surface and should maintain a certain distance from surrounding objects for heat dissipation.
3. The equipment should have reliable grounding and comply with relevant safety standards.
4. Follow the steps in the product manual or installation manual for installation and wiring.

Maintenance And Care

1. Regularly inspect the operating status of the equipment and perform necessary maintenance, including checking the tightness of terminal connections, the condition of cable equipment connections, and insulation performance.The equipment should be placed on a stable surface and should maintain a certain distance from surrounding objects for heat dissipation.
2. Periodically clean and maintain exhaust vents, such as air conditioning, ensuring cleaning fluids do not enter the equipment.

After-sale Service

1. We provide comprehensive after-sales service, including equipment installation, commissioning, and maintenance.The battery components should be replaced regularly to ensure the normal operation of the equipment.
2. During the equipment warranty period, we will provide free repairs or replacements. After the warranty period, we offer paid repair and maintenance services.
3. After equipment installation, we provide free safety inspections and safety training.

Precautions

1. Before installing the equipment, place it in a dry and well-ventilated environment, avoiding prolonged exposure to humid conditions.
2. Do not place flammable or explosive materials on the equipment.
3. Prohibit illegal operations and modifications on the equipment. If parameter changes are required, please contact the manufacturer or dealer.