



BLOO POWER

INTEGRATED ENERGY STORAGE SYSTEMS



The Battery Cabinet Has The Following Features:

Versatile Functionality

- Supports peak shaving, valley filling, demand-side response, backup power supply and other major functions;
- Supports remote update of operating strategies and firmware upgrades, lower operation and maintenance costs.

Highly Integrated

- System production, integrating energy storage batteries, PCS and power distribution, temperature control fire protection, water-immersed door sensors and monitoring communications, to fully control the system operating status and risks;
- One-stop delivery, shortening the project site installation and commissioning cycle.

Safe And Smart

- Fault hierarchical processing mechanism to respond to preset fault scenarios;
- Customized BMS, providing complete measurement and protection functions;
- Support cloud scheduling and operational report analysis.

Flexible and Convenient

- Modular PCS, linear expansion battery unit and energy storage bidirectional inverter unit;
- Equipped with independent charge and discharge control capabilities for multiple sets of batteries to improve battery utilization and safety.

Technical Specifications

System Parameters		
Rated AC Power	250KW/500KW	500KW/1000KW
Rated AC Voltage	400V	
Rated AC Current	360A/720A	720A/720A*2
THD	<3%(Linear load)	
PF Adjustable Range	-1(leading) ~ +1(lagging)	
Battery Cell Specification	3.2V/120Ah; 3.2V/280Ah	
Battery Cell Cycle Life	>6000 cycle@0.5C,25°C	
Available Rated Capacity	500KWh/1000KWh	1000KWh/2000KWh
Type	Modular,High efficiency three level	
Protection	Over temperature, low temperature charging,over current, short circuit, over voltage, under voltage, DC bus protection, etc.	
Connection Mode	Three phase three wire/three phase four wire	
Isolation Transformer	Equipped(optional)	
Working Mode	Grid-tied peak shaving/off-grid power supply guarantee	
General Parameters		
Dimension(W*D*H)	6058*2438*2896mm	12196*2438*2896mm
Weight(approx)	18 tons	35 tons
Protection Level	IP55	
Operating Temperature	-25 ~ 60°C(Derating>45°C)	
Relative Humidity	0 ~ 95%(non-condensing)	
Altitude	3000m(>3000m Derating)	
Fire Extinguishing System	FM200 pipe fire extinguishing system	
Cooling System	Air cooling / Liquid cooling	
Communication Interface/protocol	RS458, Ethernet/Modbus RTU, Modbus TCP	

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