



Product features

Advanced Liquid-Cooling System for Optimal Thermal Management

Liquid cooling provides superior heat dissipation compared to air cooling, maintaining consistent battery temperatures even during heavy operation. This enhances efficiency, extends battery life, and enables high-power performance with minimal thermal degradation.

Enhanced Safety and Longevity

Liquid-cooled systems operate at stable temperatures, reducing risks of overheating and thermal stress, which in turn enhances safety. This stability also prolongs the battery's operational lifespan, resulting in fewer replacements and lower long-term maintenance costs.

High Energy Density and Power Output

Designed for energy-intensive applications, liquid-cooled storage cabinets offer high energy density and large power output. This makes them well-suited for industries and facilities with large energy demands, peak shaving, and continuous backup power requirements.

Real-Time Monitoring and Intelligent Controls

Equipped with advanced monitoring and control systems, these cabinets track temperature, voltage, and performance metrics in real time. The intelligent controls allow for remote management, predictive maintenance, and automated safety responses, ensuring efficient and reliable operation.

Technical Specification for 2 hours Backup (0.5C)

Model	100kW 215kwh	100kW 232kwh	125kW 241kwh	125kW 252kwh	125kW 261kwh
DC (Battery)					
Cells Type	LiFePO4 Lithium Iron Phosphate				
Cell specification	3.2V280Ah	3.2V280Ah	3.2V314Ah	3.2V304Ah	3.2V314Ah
Configuration of Battery	240S1P	260S1P	240S1P	260S1P	260S1P
Battery Capacity	215kWh	232kWh	241kWh	252kWh	261kWh
Max. Power	100KW	100KW	100KW	100KW	100KW
Max. Current	140A	140A	157A	152A	
Battery Rated Voltage	768V	832V	768V	832V	832V
Battery Voltage Range	672V-864V	728V-936V	672V-864V	728V-936V	728V-936V
AC (On/Off Grid)					
Max. Power(kVA)	110KVA		137KVA		
Active Power(kW)	100KW		125KW		
Rated Voltage(V)	400V		400V		
Rated Current(A)	144A		180A		
Voltage Range	320V-460V				
Rated Frequency	50/60Hz				
Range of Frequency	45-55/55-65Hz				
THDI	<3%				
Power factor	1.0(Adjustable from 0.8 leading to 0.8 lagging)				
AC System	3 phase 4 wires				
Overload capability	110%				
Solar Side (PV)	Optional				
Max. Power	100KW(50KW*2)				
High Volage side Voltage	560V-1000V				
High Voltage side Current	160A				
Low Voltage side Voltage	500V-900V				
Low Voltage side Current	200A				
Uninterrupted Load (STS)	Optional				
STS Power	200KW				
STS Voltage	400V 50HZ/60HZ				
Overload Power	110%				
Shift Time	<20ms				
System operation strategy					
Functional	Anti Backflow and Black Start				
Operation Mode Selections	Power peak shaving and valley filling, electricity price peak valley arbitrage, photovoltaic priority for electricity cost savings, wind power generation priority for electricity cost savings, off grid power supply for remote areas				
Operation scenario	Photovoltaic and diesel storage project, Wind power and diesel storage project, Wind and photovoltaic diesel storage project, Charging Station + Energy storage project, On-grid electricity selling project				
Specifcaiton					
Cabinet Size ( W * D * H )	1585/1366/2055mm				
Weight	≤2.7T				
Max. cycle efficiency	>90%				
Protection	IP55				
Auxiliary Power Supply	Self-powered, Externally powered				
Corrosion resistance rating	C3/C5				
Operating Humidity Range	0%-100%(Non-condensing)				
Operating Temperature Range	-30°C-50°C(>45°Cderating)				
Max. Operation Altitude	2000m				
Battery cabinet cooling method	Intelligency Liquid Cooling				
Fire safety configuration	Smoke detector, Heat detector, Gas-based fire extinguishing system, Pressure relief valve, Pack-level fire protection, Cluster-level fire protection, Water-based fire protection, Autoomatic pressure relief				
Communication	Ethernet, 485, CAN				
Communication Protocol	Modbus TCP				
Note: Some spare parts are available. For details, please consult with our sales for further communication.					