

125 kW / 261 kWh LIQUID-COOLED ENERGY STORAGE CABINET

YJC-EES-H-A-125kW/261kWh



ADVANCED LIQUID COOLING TECHNOLOGY

Precision liquid-cooling keeps battery cell temperature differences under 3°C, ensuring stable performance and longer battery life.



HIGH-PERFORMANCE LIFEPO₄ BATTERY

Uses robust LiFePO₄ cells for reliable, consistent energy output tailored to commercial and industrial needs.



INTEGRATED ENERGY MANAGEMENT

Combines BMS and EMS for intelligent diagnostics, optimized energy distribution, and seamless renewable integration.



MULTI-LEVEL FIRE PROTECTION

Features a three-level fire safety system with temperature and smoke detection, aerosol fire suppression, and perfluorohexanone extinguishing for full protection.



FLEXIBLE DEPLOYMENT AND SCALABILITY

Modular design supports easy parallel connection, enabling capacity expansion to meet growing energy demands.



SMART MONITORING AND INTELLIGENT CONTROL

Implements advanced switching strategies including peak shaving, valley filling, and capacity management to maximize energy efficiency.



Model	YJC-EES-H-A-125kW/233kWh	YJC-EES-H-A-125kW/261kWh
GRID-CONNECTED AC PARAMETERS		
Rated power	125kW	
Maximum output power	137.5kW	
Rated grid voltage	380/400/415Vac	
Allowable grid voltage	340-460Vac	
Rated grid frequency	50-60Hz	
power factor	-1 (Advanced) ~ 1 (Lagged)	
THDI	<3% (rated output power)	
Access method	three-phase four-wire	
OFF-GRID COMMUNICATION PARAMETERS		
Rated output voltage	380/400/415Vac	
Rated output power	125kW	
Rated output frequency	50-60Hz	
THDU	<3%(linear load)	
Overload capacity	1.1 - fold long - term (45°C), 1.2 - fold for 1 minute	
BATTERY PARAMETERS		
Battery system capacity	233kWh	261kWh
Battery cell type	LFP 3.2V/280Ah	LFP 3.2V/314Ah
Battery system configuration	1P260S	
Rated Voltage	DC832V	
Battery voltage range	650V-949V	
SYSTEM EFFICIENCY		
Maximum efficiency of converter	≥98.5%	
Maximum system efficiency	≥88%	
Charging and discharging rate	≤0.5C	
PROTECTION		
DC input	YES	
Converter AC protection	YES	
Communication output protection	YES	
Overvoltage protection	DC Type II/ACTypell	
Fire protection system	Perfluorohexane + water fire fighting interface	
CONVENTIONAL PARAMETERS		
Dimensions (W*D*H)	1100×1390×2380mm	1100×1390×2380mm
Weight	2650kg	2700kg
Incoming call method	In and out	
Environmental temperature	-20°C~60°C	
Environmental humidity	≤95%	
Working altitude	≤3000m (derating for above 3000m)	
IP level	IP54	
Anti-corrosion	C5	
Cooling method	Liquid cooling	
COMMUNICATION		
Means of communication	RS485/CAN/Ethernet	
Certification & Safety Standard	CE(IEC61000,IEC62477) / IEC62619 / UN38.3	