

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.



YJC POWER

Product Model	Product Model
YJC-EES-H-A-125kW/261kWh	YJC-EES-H-A-125kW/261kWh
Grid-Connected AC Parameters	
Rated Power	125 kW
Maximum Output Power	137.5 kW
Rated Grid Voltage	380/400/415 Vac
Allowable Grid Voltage Range	340–460 Vac
Rated Grid Frequency	50–60 Hz
Power Factor	-1 (Leading) ~ +1 (Lagging)
THDi	<3% (at rated output power)
Connection Method	Three-phase, four-wire
Off-Grid AC Parameters	
Rated Output Voltage	380/400/415 Vac
Rated Output Power	125 kW
Rated Output Frequency	50–60 Hz
THDu	<3% (linear load)
Overload Capacity	1.1× continuous (≤45°C), 1.2× for 1 min
Battery Parameters	
Battery System Capacity	261 kWh
Cell Type	LFP 3.2V / 314Ah
System Configuration	1P260S
Rated Voltage	DC 832 V
Operating Voltage Range	650–949 V
System Efficiency	
Converter Max. Efficiency	≥98.5%
Overall System Efficiency	≥88%
Charge/Discharge Rate	≤0.5C
Protection	
DC Input Protection	Yes
AC Side Protection	Yes
Communication Output Protection	Yes
Overvoltage Protection	DC Type II / AC Type II
Fire Protection System	Perfluorohexane + water-based fire interface
General Parameters	
Dimensions (WDH)	110013902380 mm
Weight	2700 kg
Cable Entry	Top & Bottom entry
Operating Temperature	-20°C ~ +60°C
Operating Humidity	≤95% (non-condensing)
Altitude	≤3000 m (derating above 3000 m)
IP Rating	IP55
Corrosion Protection	C3 & C5
Cooling Method	Liquid cooling
Communication & Certification	
Communication Interfaces	RS485 / CAN / Ethernet
Certifications & Standards	UL1973 / CE / IEC62619 / UN38.3