# 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 integratio



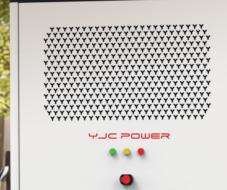
### **MULTI-LEVEL FIRE PROTECTION**

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 of







#### YJC POWER

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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