

YJC-EES-H-A-500kW/1.04MkWh

SMART ENERGY STORAGE LIQUID COOLING INTEGRATED CABINET

500kW/1.04MkWh

SAFETY AND STABILITY

Equipped with a three - level fire protection system to achieve all - round protection of the system.
With a precision liquid - cooling temperature control design,
long - term stability is realized. The temperature difference among different battery
cells is less than 3°C through battery balancing management, which extends the battery life.

FLEXIBILITY AND EFFICIENCY

The AC and DC can be independently designed for flexible configuration.
Without parallel circulating current, the energy loss is significantly reduced.
The single - unit weight is small and it is easy to install.

INTELLIGENT COLLABORATION

Different intelligent switching strategies for different scenarios:
peak shaving and valley filling, capacity management,
dynamic capacity increase, and new energy consumption.
The planned curve responds to local and cloud monitoring linkage,
digital rapid diagnosis, intelligent automatic inspection, 3s coordination,
EMS closed - loop safety logic to ensure the system safety.



Product model	YJC-EES-H-A-500kW/1.04MkWh
GRID-CONNECTED AC PARAMETERS	
Rated power	500kW
Maximum output power	550kW
Rated grid voltage	400Vac
Allowable grid voltage	340-460Vac
Rated grid frequency	50Hz/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	400Vac
Rated output power	500kW
Rated output frequency	50Hz/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	1044.99kWh
Battery cell type	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)	W2991mm*D2438mm*H2591mm/10'(GP)
Weight	9300KG
Incoming call method	In and out
Environmental temperature	-20°C~60°C
Environmental humidity	≤95%
Working altitude	≤3000m (derating for above 3000m)
IP level	IP55
Anti-corrosion	C3&C5
Cooling method	Liquid cooling
COMMUNICATION	
Means of communication	RS485/CAN/Ethernet
Certification & Safety Standard	UL1973/CE/IEC62619/UN38.3