



Liquid Cooled C&I Energy Storage Product



PRODUCT HIGHLIGHTS

Safe & Reliable



- Intelligent three-level fire protection warning mechanism with system explosion-proof design and pack-level detection & fire extinguishing.
- Cabinet withstands 1600°C due to the explosion-proof & fire-resistant insulation with long-fiber alumina composite.
- Real-time AI monitoring with early warning to prevent thermal runaway.
- Millisecond-level linkage response.

Economical & Efficient



- Long-life LFP batteries can provide higher returns on investment.
- Intelligent liquid cooling to manage the cell temperature difference within $\pm 1.5^{\circ}\text{C}$.
- Low auxiliary energy consumption, 30% less than air-cooled product.
- Maximum 20 grid-connected units in parallel to provide 5MWh+ solution.

Smart & Convenient



- High precision SOX algorithm, full-time passive balancing and status monitoring.
- Pre-installation and pre-commissioning in factory for easier site work.
- Full traceability of components during the manufacturing process simplifies O&M, and after-sales services.
- Pre-built multi-scene control strategies.

TECHNICAL SPECIFICATIONS

MODEL		JAP-ES-125kW-261kWh
DC Side	Nominal Energy	261kWh
	Cell Capacity	314Ah LFP
	Nominal Voltage	832 Vdc
	Voltage Range	728-936 Vdc
	Nominal Charge & Discharge Rate	0.5P
	Depth of Discharge	95%
	Nominal Power	125kW
AC Side	Nominal Voltage	380/400 Vac, ±15% (3P4W+PE)
	Nominal Frequency	50/60Hz
	AC PF	1.0 Leading ~ 1.0 Lagging
System Parameter	Dimensions (W×D×H)	989×1465×2473mm
	Battery Cycle Life	8000+
	Weight	2700kg
	Operation Temperature Range	-30°C ~ +50°C
	Operation Humidity Range	0-95% (Non-condensing)
	Cooling Method	Intelligent Liquid Cooling
	Fire Suppression System	Pack-level & Cabinet-level Detection + Aerosol
	Protection Level	IP55
	Anti-corrosion Level	C4
	Communication Interface	Ethernet, CAN, RS485
	Communication Protocol	MODBUS-TCP/IP, MODBUS-RTU
	Max. Parallel Quantity	20
	Certification	IEC 62619, IEC 63056, IEC 60730, IEC 62477, IEC 61000, UN 38.3

*Specification indexes may be subject to changes without prior notice.



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