

Liquid Cooled C&I ESS Product

JAP-ES-125kW-261kWh



| Advantages

Safety & Reliable



- Intelligent three-level fire protection warning mechanism with system explosion-proof design and pack-level detection & fire extinguishing
- 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 5 MWh+ 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	261 kWh
	Cell Capacity	314 Ah LFP
	Nominal Voltage	832 Vdc
	Voltage Range	728 Vdc to 936 Vdc
	Nominal Charge / Discharge Rate	0.5 P
	Depth of Discharge	95 %
	Nominal Power	125 kW
AC Side	Nominal Voltage	380 / 400 Vac, $\pm 15\%$ (3P4W + PE)
	Nominal Frequency	50 / 60 Hz
	Power Factor	1.0 leading to 1.0 lagging
System Parameters	Dimensions (W × D × H)	989 mm × 1465 mm × 2473 mm
	Cycle Life	8000+
	Weight	2700 kg
	Operation Temperature Range	-30 °C to +50 °C
	Humidity	0 to 95 % RH (non-condensing)
	Cooling Method	Liquid Cooling
	Fire Suppression System	Pack-level & Cabinet-level detection + Aerosol
	Protection Level	IP55
	Anti-corrosion Level	C4M
	Communication Protocol	MODBUS-TCP/IP, MODBUS-RTU
	Max. Parallel Quantity	20
	Certification	IEC 62619, IEC 63056, IEC 60730, IEC 62477, IEC 61000, UL 9540A, UN 38.3

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



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