

Liquid-cooled ESS Cabinet

EL-261DC

Engineered for reliability and ease, the 261kWh DC Energy Storage Cabinet combines durable 314Ah cells with precision liquid cooling ($\leq 3^{\circ}\text{C}$) to secure long cycle life. Its intelligent BMS/EMS control and built-in fire safety deliver a worry-free energy block. Featuring an flexible PCS interface for customer-defined power conversion and a modular design, it is quick to integrate and simple to scale for custom system builds.



Features

Long Cycle Life & Durability

314Ah battery cells with over 8,000 cycles, ensuring long-term operational economy and reduced lifecycle cost for energy storage projects.

Flexible & Scalable Design

The system's modular architecture ensures both flexible configuration and scalable growth. It supports rapid deployment scenarios and can be easily expanded in parallel to meet future capacity demands.

Flexible PCS Compatibility

Offers flexibility by supporting integration with multiple PCS (Power Conversion System) manufacturers, allowing customers to select the optimal component based on their specific requirements and preferences.

Safe & Reliable

Rigorously executes control commands with multi-layer protection including fireproof, explosion-resistant, and impact-resistant designs, ensuring safety across all operating environments.

Rapid Response for Grid Support

Delivers high-speed charge and discharge response, meeting critical demands for frequency regulation and grid stability in diverse application scenarios.

Specification

DC Side

Battery Type	LFP , 3.2 V / 314 Ah
Battery PACK Configuration	1P52S/52.2kWh
Battery Capacity	261 kWh
Rated Battery Voltage / Voltage Range	DC 728V ~ DC 949V

General

Dimensions (L*W*H)	1000mm × 1420mm × 2250mm
Weight	Around 2500kg
Operating Temperature Range	-25° C~+55° C
Relative Humidity	0~95%RH(non-condensing)
Altitude	≤ 2000 m
Cooling	Liquid Cooling
Noise	≤73dB @1m
Ingress Protection	IP55
Fire suppression system	Active early warning + smoke and temperature sensor + combustible gas detection + cabinet level fire suppression + external water fire suppression + explosion-proof exhaust + blow-off valve
Communication	RS485 / CAN / LAN
Standard	UN38.3、IEC62619、IEC61000、IEC62477、RoHS2.0 REACH SVHC(254)