

APstorage 261L

All-in-One Liquid-cooled ESS

All-Round Safety Protection

Equipped with 4 layers of fire defense, cell-to-system full-link protection and real-time risk control, paired with aerosol firefighting, explosion ventilation and independent cluster thermal management to achieve comprehensive system safety.

Robust Environmental Adaptability

Features solid overall reliability, Pack IP65 protection and Cabinet C4/C5 anti-corrosion rating, with professional thermal management to ensure stable operation in harsh and corrosive working scenarios.

Flexible Expansion & Intelligent Upgrade

Adopts all-in-one BMS, EMS and PCS integrated design, supports up to 10 units parallel connection and expandable 2MWh system capacity, enabling remote OTA smart updates.

Ultra-Compact & Easy O&M Design

Occupies only 1.3m² ultra-small footprint with factory pre-assembly saving over 40% on-site installation time, plug-and-play interface and standardized quick replacement simplify commissioning.



AC Parameters

Rated Power	125kW
Rated Output Voltage	400V
Rated current	200A
Rated Grid Frequency	50/60Hz
AC access method	3P4W

DC Parameters

Nominal Capacity	261.24kWh
Usable Capacity	235.12kWh
Battery Cell Type	LFP-314Ah
Battery Module	1P52S/52.249kWh
Number of packs	5
Electrical Configuration	1P260S
Rated DC Voltage	832V
Charge/Discharge Rate	≤0.5C
Cycle Life	8000cycles, @25°C, 80% DOD, 70%SOH EOL

General Parameters

Operating Mode	Peak Shaving and Valley Filling, Demand Control, Reactive Power Regulation
Thermal Management	Liquid-cooled
Fire Protection System	Aerosol + explosion ventilation system and water fire protection (Water immerse Optional)
IP Rating	IP54, C4
Operating Temperature	-20°C to 55°C (> 45°C derating)
Operating Humidity	0-95%, no-condensation
Operating Altitude	≤3000m
Dimensions (W × D × H)mm	980 * 1300 * 2350
Weight	2900kg

Communication

Communication	CAN / RS485 / TCP
Certification	UN38.3/ IEC 61000/ IEC62619/IEC62477/ IEC 63056/IEC 62933/UL9540A/NFPA

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