

Totally **2GWh** C&I Energy Storage Shipped Worldwide



Liquid cooling C&I cabinets

APstorage 241L



Space-Saving & Optimized Logistics

15% Height Reduction

Lower profile than 261L for easier site integration

Easier Transportation

Optimized for 20ft containers and fit in van truck

Reduced Transport Costs

Lighter weight and optimized dimensions for lower logistics overhead



High Energy Density & ROI

Integrated 1P60S Architecture

4-pack cluster design for maximum volumetric energy density

Minimized Initial CAPEX

Lower system entry cost with superior cost-efficiency

Accelerated Payback Period

Higher ROI through optimized economic performance



Safety

4 Layers Fire Protection Real-Time risk control

Cell-to-System Protection

Aerosol firefighting and explosion ventilation

Advanced Thermal Management

Thermal management and fire protection for each cluster



Robust Reliability

All-in-One Design BMS, EMS, PCS integrated

Pack IP65 and Cabinet C4/C5 anti-corrosion
Harsh environment and anti-corrosion defense

Smart Liquid Cooling
≤3°C temperature precise control boost 10% life cycle



Sinovoltaics PV Inverter Manufacturer by Financial Health

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TECHNICAL PARAMETERS | APstorage 241L



AC Parameters

Rated Power	125 kW
Rated Output Voltage	400 V
Rated Grid Frequency	50 Hz/60 Hz

DC Parameters

Battery Cell Type	LFP-314Ah
Battery Module	1P60S/60.288 kWh
Electrical Configuration	1P240S
Nominal Capacity	241 kWh
Usable Capacity	217 kWh
Charge/Discharge Rate	≤ 0.5 C
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
IP Rating	Battery Compartment:IP65, Electrical Compartment:IP54
Operating Temperature	-20°C to 55°C (> 45°C derating)
Operating Humidity	0-95%, no-condensation
Operating Altitude	≤ 3,000m
Dimensions (W x D x H)	950 mm x 1,600 mm x 2,050 mm
Weight	≈ 2,900 kg

Communication

Communication Interface	Ethernet/4G
Communication Protocol	MODBUS-TCP, MQTT, IEC61850

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