



XAXL-DSU-L522

522kWh

ADVANCED LIQUID COOLING



- Intelligent zonal liquid cooling system
- Uniform cell temperature distribution
- Enhanced energy efficiency and battery performance
- Extended battery service life



HIGHLY INTEGRATED DESIGN



- All-in-one energy storage solution
- Compact footprint with high energy density
- Factory pre-engineered for rapid deployment
- Flexible modular expansion for diverse applications

SAFE & RELIABLE



- Multi-layer safety protection architecture
- Integrated fire suppression system
- Intelligent Battery Management System (BMS)
- Long-life LFP battery technology

Liquid-Cooled Energy Storage Cabinet

$\geq 6000\text{cyc}$





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Technical Parameters

DSU-L522 Liquid-Cooled Cabinet Technical Specifications	
DC Side	
Cell Parameters	3.2V 314Ah
Series Parallel Connection Mode	1P52S
Number of Battery Packs	10
Number of Battery Clusters	2
Rated Operational Voltage(V)	832
Operating Voltage Range (V)	728~936
Battery System Capacity (kWh)	522.496
Rated Discharge Rate of Electricity	0.5P
System Parameters	
Charge-Discharge Efficiency	>92%
Charge & Discharge Rate	0.25p per port、0.5p per dual port
Depth of Discharge	90%DOD
Standard Cycle Life	≥6000cyc @25℃，90%DOD，80%EOL
Quantity of liquid cooling units	Cooling capacity: 5kW × 2 units
Cabinet IP Rating	IP54
Battery Pack IP Rating	IP67
Corrosion Resistance Class	C3
Cooling Method	Liquid Cooling
Operating Temperature	-20℃～50℃
Operating Humidity	5%~95% RH (Non-condensing)
Operating Altitude	≤2000m
Fire Extinguishing Medium	Aerosol Fire Suppression、Water Sprinkler Fire Suppression
Communication Interface	Ethernet/CAN/485
Dimensions (W*D*H mm)	2050*1350*2320mm (W*D*H)
Weight (kg)	4500

Product Topology

