



XAXL-DSU-10ft Container

250kW/522kWh、 375kW/783kWh、 500kW/1044kWh
125kW/522kWh、 250kW/1044kWh



Liquid-Cooled Energy Storage Cabinet

≥ 6000 cyc



Convenient & Flexible

Cells pre-installed, delivered as a complete cabinet with no on-site assembly required.

Independent maintenance access for PACK enables servicing without opening the cabinet, boosting operational efficiency.



Safe & Reliable

Multi-level fire protection design with advanced AI fault early warning capability.

Single-cluster architecture featuring electrical isolation, independent battery compartments, and dual overcharge & over-discharge protection.



Cost-Effective & High Efficiency

Equipped with 314Ah high-energy-density cells to help reduce system costs and improve performance.

Highly integrated variable-frequency intelligent temperature control technology further cuts energy consumption.



Intelligent Operation & Maintenance

Multiple control modes adaptable to diverse scenarios.

Supports fault waveform recording for convenient fault analysis and localization.





Technical Parameters

Model	250kW/ 522kWh	375kW/ 783kWh	500kW/ 1044kWh	125kW/ 522kWh	250kW/ 1044kWh
Battery Side Parameters					
Cell Specification	LFP 314Ah	LFP 314Ah	LFP 314Ah	LFP 314Ah	LFP 314Ah
Battery System Capacity (kWh)	522	783	1044	522	1044
Battery Pack Series & Parallel Connection	1P52S				
String Configuration	2P52S	3P52S	42P52S	2P52S	4P52S
Rated Operating Voltage (V)	832				
Operating Voltage Range (V)	728~923				
Rated Charge/Discharge Rate (C)	0.5			0.25	
PV Side Parameters					
Max. Input Power (kW)	500	750	1000	250	500
Max. Input Voltage (V)	1000				
Rated Input Voltage (V)	600				
Start-up Voltage (V)	180				
MPPT Voltage Range (V)	150~950				
PV Max. Input Current (A)	20*42	30*42	40*42	10*42	20*42
PV Max. Input Short-circuit Current (A)	20*60	30*60	40*60	10*60	20*60
Number of MPPT / Max. PV Strings	20/40	30/60	40/80	10/20	20/40

Grid Output Parameters					
Rated Output Power (kW)	250	375	500	125	250
Max. Output Apparent Power (kVA)	250	375	500	125	250
Rated Grid Voltage (V)	3/N/PE, 230/400				
Rated Grid Frequency (Hz)	50/60				
Grid Input Parameters					
Max. Input Current (A)	500	750	1000	250	500
Off-grid AC Output Parameters					
Rated Output Power (kWA)	250	375	500	125	250
Max. Output Apparent Power (kVA)	250	375	500	125	250
Rated Grid Voltage (V)	3/N/PE, 230/400				
Rated Grid Frequency (Hz)	50/60				
On-grid / Off-grid Switching Time (ms)	<20				
Generator Input Parameters					
Max. Input Power (kW) (kW)	250	375	500	125	250
Rated Input Voltage (V)	3/N/PE, 230/400				
Rated Input Frequency (Hz)	50/60				



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System Parameters					
Enclosure Protection Class	IP54/IP55				
Single Battery Compartment Dimension (W*D*H mm)	2991*2438*2896				
Battery System Cooling Method	Liquid Cooling				
Hybrid Inverter Cooling Method	Air Cooling				
Operating Temperature (°C)	-20 ~ 55				
Operating Humidity	5%~95%RH (Non-condensing)				
Operating Altitude (m)	≤3000 (Derating >2000m)				
Fire Protection System	Temperature+Smoke+Combustible Gas Detector, Ventilation, Aerosol & Water Sprinkler				
Communication Interface	5Ethernet/ CAN/485				
Reference Weight (t)	≈7.5	≈9.5	≈11.5	≈7	≈11