

Liquid colling for Utility application

APstorage 2000L



All-in-One Design

Highly integrated 3S system, cooling system, and fire protection system, enabling easy transportation, simple commissioning



Ultimate Safety

Multi-level fire protection (Aerosol + explosion ventilation system), prevent heat dillusion and runaway.



String-Level Management

Each baery cluster is independently managed, enhancing system reliability and stability



Standard 20ft Container

Pre-assembled containerized units reduce on-site assembly time by 40%, minimizing crane usage and skilled labor requirements.



TECHNICAL PARAMETERS

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AC Parameters

Rated Power	1000kW	1125kW	1300kW
Rated Output Voltage	400 V		
Rated Grid Frequency	50 Hz/60 Hz		

DC Parameters

Battery Cell Type	LFP-314Ah		
Battery Module	1P52S/52.25 kWh		
Electrical Configuration	8P260S	9P260S	10P260S
Nominal Capacity	2090 kWh	2351 kWh	2612 kWh
Usable Capacity	1881 kWh	2116 kWh	2350 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	Aerosol + explosion ventilation system and water fire protection (Water immerse Optional)		
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)	6,058 mm x 2,438 mm x 2,591mm		
Weight	≈ 30T		

Communication

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

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