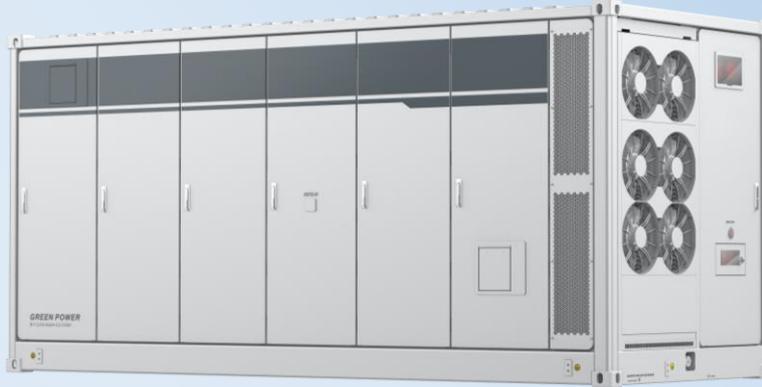


Aqua C2.5S-5015-2500-2h

Aqua C2.5S-5015-1250-4h

Liquid-cooled Energy Storage System



* The illustration is for reference only. The actual product's appearance might vary depending on the configurations.

Optimal Costs

- Back-to-back and side-by-side layout design, reducing footprint
- Integrated AC/DC bi-directional inverter, reducing commissioning time

Ultimate Security

- Multi-level electrical protection, fire protection, arc flash analysis, and collaborative protection
- Intelligent management of battery health for early warning of faulty batteries
- Compliant with IEEE 693 moderate seismic level (standard) or high seismic level (optional)

Capacity Enhancement

- Modular design reduces failure impacts and improves system uptime.
- Active balancing technology and bio-inspired solutions enhance battery lifespan and system discharge capacity.

Convenient O&M

- Active balancing reduces energy storage station O&M costs.
- Rapid state detection and fault recording achieve rapid positioning and analysis of system faults.

Model	Aqua C2.5S-5015-2500-2h	Aqua C2.5S-5015-1250-4h
DC-side parameter		
Cell type	LFP 3.2 V/314 Ah	
Battery configuration	416S12P	
Nominal energy	5015.9 kWh	
Battery voltage range	1123.2 V–1497.6 V	
Nominal battery voltage	1331.2 V	
AC-side parameter		
Nominal power	1254 kVA*2	1254 kVA
Maximum THD of current	< 3% (at nominal power)	
DC component	< 0.5%	
Nominal voltage	690 V	
AC voltage range	607 V–759 V	
Nominal frequency	50 Hz/60 Hz	
Termination (LV)	1050 A*3 phase*2	1050 A*3 phase
Power factor	≥ 0.99 (at nominal power)	
Power factor range	–1 to +1	
System parameter		
Auxiliary power supply	400 V AC, 50 Hz/60 Hz	
Operating ambient temperature range	–30°C to +50°C (> 45°C derating)	–30°C to +50°C
Relative humidity	≤ 100% RH (non-condensing)	
Maximum operating altitude	4000 m	
Ingress protection (IP) rating	IP55	
Cooling method	Intelligent liquid cooling	
Noise	≤ 75 dB (A)	
Weight	≤ 44000 kg	
Anti-corrosion degree	C4 C5 (optional)	
Seismic level	IEEE 693 moderate seismic level qualification IEEE 693 high seismic level qualification (optional)	
Snow load	30 lb/sqft	
Wind load	129 mph	
Dimension (W × D × H)	6058 mm × 2438 mm × 2896 mm	
Fire suppression system	Fire alarm control panel, smoke and heat detectors, alarm bell, horn strobe, gas detector, ventilation system (compliant with NFPA 69), standard fire hose connection to dry pipes with sprinklers heads inside, aerosol (optional), deflagration vent panel (optional)	
Communication	Ethernet	
Standard compliance	IEC 61000, IEC 62619, IEC 62933, IEC 63056, IEC 62477-1, EN 50549, G99, CEI 0-16, VDE-AR-N 4110, VDE-AR-N 4120, NTS 2.1, NTS SENP 1.1	