

# Aqua-C2.5H 5015-2500-2h UL

## Liquid-Cooled Energy Storage System



### Optimal Cost

- Back-to-back and side-by-side design reduces footprint
- All pre-assembled, no battery module handling on site



### Ultimate Security

- Intelligent management of battery health, early warning of faulty batteries
- Active ventilation and explosion venting design to control deflagration risks
- IEEE 693 high design level qualification compliance



### Capacity Enhancement

- Modular design reduces failure impacts and improves system uptime
- Active balancing technology and bionic-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, to achieve rapid positioning and analysis of system faults.

Type Designation	Aqua-C2.5H 5015-2500-2h UL
<b>DC-side Parameters</b>	
Nominal Capacity	5015.9kWh
Nominal Power	2507.9kW@0.5CP 1253.9kW@0.25CP
Battery Voltage Range	1123.2~1497.6V
Nominal Battery Voltage	1331.2V
Cell Type	LFP 3.2V / 314Ah
System Configuration	1P416S*12
<b>System Parameters</b>	
Auxiliary Power Supply	480VAC, 60Hz
SOC Calculation Accuracy	≤3%( after balancing)
Operation Ambient Temperature Range	-30°C ~ 50°C
Relative Humidity	≤100%RH (non-condensing)
Max. Working Altitude	4000m
Protection Grade	IP 55/Type 3S
Temperature Control Method	Intelligent liquid cooling
Noise	≤ 75dB (A), Standard version ≤ 65dB (A), Silencer assembly (optional)
Weight	≤42600kg
Corrosion-proof Grade	C4 C5 (optional)
Seismic Level	IEEE 693 Moderate design level qualification IEEE 693 High design level qualification (optional)
Snow Load	30lb /sqft
Wind Load	129mph
Dimensions (W*D*H)	6058*2438*2896mm
Fire Suppression System	Smoke and heat detectors, FACP, ventilation system, dry pipes with sprinklers, aerosol
Communication Interface	Ethernet
Standard	UL 9540A, UL1973, UL9540, UN 38.3 NFPA 855, NFPA 68, NFPA69 (with optional purchase)
Transportation	Fully populated with battery packs

\*Subject to actual delivery.