

UTILITY SERIES

LIQUID-COOLED ENERGY STORAGE SYSTEM

AU-L5.0-AC

- Optimized System Efficiency

- Optimized system coordination reduces energy consumption by 20%
- Utility-Grade Reliability

- Cycle life > 10,000 cycles
 - IP55 + intelligent liquid cooling system
 - Fully self-developed core components
- Smart Grid Integration

- Black start & grid-forming capability
 - Modular design reduces installation time by 40%
 - Supports EMS coordination



5015 kWh
Nominal Capacity

10000 Cycles
Long Cycle Life

IP55 Protection Level

215*12kw Rated output power

Technical Specification

AU-L5.0-AC

DC-SIDE PARAMETERS	
Cell type	LFP
System Configuration	416S12P
Battery Capacity [kWh]	5015
Battery Voltage [V]	1331.2
Battery Voltage Range [V]	1164.8~1500
Battery Charge/Discharge Power	0.5P
Life Cycle	>10000
AC-SIDE PARAMETERS	
Rated Power [kW]	215*12
Rated Grid Voltage [V]	690
Rated Grid Frequency [Hz]	50/60
Current Harmonics	<3%
Power Factor	-1~+1
OTHER PARAMETERS	
Ingress Protection	IP55
Corrosion Resistance Rating	C4 , C5
Operating Humidity Range	0% ~ 95%, RH
Operating Temperature Range [°C]	-30~+55
Maximum Operating Altitude [m]	2000
Temperature Control Method	Intelligent Liquid Cooling
Noise Level	≤75 dB@1m
Dimensions (W*D*H) [mm]	6058 * 2438 * 2896
Weight [t]	≈43
SAFETY & COMMUNICATION METHODS	
Fire Protection System	Perfluorohexane + Water Spray
Communication Interface	Ethernet
External Communication Protocol	Modbus TCP, IEC61850, IEC104
CERTIFICATION	
GB/T36726 , GB/T34131 , GB/T34120 , GB/T44026	

SOLUTION TOPOLOGY DIAGRAM

