



AIO SERIES Liquid Cooling Energy Storage System

215kWh | Liquid Cooling | All-in-One Design

Efficient & Economical



Self-developed '3S' components, optimal management strategy



AI thermal management, efficiency up to 89%



Cell temperature difference less than 2.5°C, effectively ensuring longevity

Safe & Reliable

- AI lifecycle management for battery cells

- Multi-level intelligent fire suppression system

- Active venting system to ensure personal safety

- Innovative anti-dust and anti-fiber design reducing overheating

Flexible & Convenient

- High power density only 1.3m²

- Support single and 1-to-multi mode

- Easy install & transport, supporting seamless parallel deployment

- Cell /pack /cluster /station-level full stack management

AIO-100K215-L-Y2	
DC Specification	
Cell Capacity/Type	280 Ah / LFP
Pack Parameters	1P48S / 43 kWh
Pack System Configuration	1P240S
DC Operating Voltage Range	672 V ~876 V
System Capacity	215 kWh
Charge and Discharge Rate	≤0.5C
Balancing Method	Pack level passive equalization
Number of Cycles	≥6000@80%SOH
AC Input and Output	
Rated Power	100 kW
Max. Output Power	110 kW
Overload Capacity	110% (45°C) , 120% 1min
Grid Voltage	400 V (-15%~+15%)
Grid Frequency	50 Hz
Power Factor	0.99 (-1~+1)
Total Harmonic Distortion (THDi)	≤3%
Grid Access Method	3W / N / PE
System Specification	
Max. system Efficiency	90%
Communication Interface	Ethernet
Communication Protocol	Modbus TCP / IEC104
Interactive Interface	LCD touch screen
System Dimension (W*H*D)	1000x2350x1300 mm
Weight	≤2500 kg
Operation Temperature	-30°C~+55°C (大于40°C降额)
Operation Humidity	0~95% RH (no condensing)
Max . Operating Altitude	4000 m (2000 m derating)
Cooling Method	Liquid Cooling
Cell Certification	GB/T 36276-2018, GB/T 34120-2017, GB/T 34133-2017
Protection	
DC Protection	Load switch and fuse
AC SPD	Type II
IP Rating	IP55
Anti-corrosion Level	C4 (C5 Optional)
Fire Protection System	Perfluorohexanone