

# Liquid-Cooling Energy Storage Cabinet



## Liquid Cooling System

Circulating liquid cooling, low noise, low loss



## Advanced Fire Protection Design

Three-level fire protection, with built-in fire detectors, aerosol modules, sound and light fire alarms, EMS modules + Gateways, and immersion sensors



## Highly Flexible Design

Supports parallel operation of 2-10 units, with reserved MPPT expandable space



## Application scenarios

Intelligent peak shaving and valley filling, efficient photovoltaic energy utilization, and flexible transformer expansion, Back-up (Manual Switch)



## Three-Phase topology

Three-phase four-branch inverter, with a three-phase imbalance coefficient of 0% and a power factor (PF) of 1



## Safety and Durability Appearance

Outdoor cabinet anti-corrosion, flame retardant design, battery compartment IP65, electrical compartment IP55



## Intelligent Platform Operation and Maintenance

SaaS all-day remote monitoring platform with data independence, real-time tariff collection, AI intelligent scheduling, time scheduling can be completed within 0.2s



Technical Data	
<b>System Description</b>	
Rated Power	125kW
Battery Capacity	261kWh
<b>DC Parameters</b>	
Battery Type	LFP/314Ah
PACK Specification	1P52S/52kWh
Rated Voltage	832V
Voltage Range	728-949V
Charge/Discharge Rate	≤0.5C
Depth of Discharge (DoD)	0.98
<b>AC Parameters (Grid-tied)</b>	
Rated Power	125kW
Rated Voltage	400V
Rated Frequency	50Hz
Power Factor	-1...+1
Connection Method	Three-phase four-wire
<b>System Parameters</b>	
Dimensions (WHD)	1000 * 2500 * 1450mm
Weight	2500kg
Protection Rating	IP55
Cable Entry	Bottom/Bottom or Side/Side
Cooling Method	Liquid Cooling
Fire Protection	Standard: Aerosol / Optional: Perfluorohexanone + Water Fire Suppression
Enclosure Corrosion Protection	C3/C5 (Optional)
Operating Environment	-25~60°C
Altitude	3000m
Noise Level	85dB
Communication Interface	Ethernet / CAN / RS-485
Communication Protocol	TCP / CAN2.0 / Modbus