

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



SYSTEM INFORMATION

Rated AC Power	100kW
Rated Capacity	215kWh

BATTERY INFORMATION

Cell Type	LFP
Cell Capacity	280Ah
Configuration	240S1P
Rated Voltage	768V
Voltage Range	672 ~ 864V
Charge/Discharge Rate	≤ 0.5C
Depth of Discharge	98%

INVERTER INFORMATION

Maximum AC Power	105kVA
Operation Mode	Supports Grid-Tied & Off-Grid Operation
Rated Grid/Island Voltage	400Vac
Grid Voltage Range	323 ~ 456V
Power Factor	-1 ... +1
Rated Grid Frequency	50Hz
Isolation Method	Non-Isolated
Connection Method	3-Phase, 4-Wire

OPERATING ENVIRONMENT

Protection Rating	IP55
Noise Emission	≤ 75dB @ 1M
Operating Temperature Range	-30°C ~ 50°C
Relative Humidity	0 ~ 95% (non-condensing)
Maximum Operating Altitude	3000m

System Information (Continued)

Dimensions (W x H x D)	1000 x 2500 x 1350 mm
Weight	2500kg
Battery Room Cooling	Intelligent Liquid Cooling
PCS Room Cooling	Forced Air Cooling
Fire Suppression System	Aerosol + Water Fire Suppression
Communication Interface	CAN / RS485
Communication Protocol	IEC62619, IEC61000, GB/T 36276