215 KWh Outdoor Cabinet Energy Storage System

HJ-G100-215L 100KW/215KWh

Product Introduction

HJ-G100-215L 215KWh outdoor cabinet energy storage system is a liquid-cooled energy storage solution. The system adopts high-capacity density lithium iron phosphate battery with 1000V platform and plate exchange liquid-cooling technology, equipped with 100kW energy storage converter, charging/discharging multiplication rate of 0.5P. It has the advantages of high safety, long life, high efficiency, etc., and can be widely used in industrial and commercial fields to satisfy the user's demand for energy storage and management.

Product Features

- Liquid-cooling technology
- **EMU** Energy Management Unit (EMU)
- Integrated design
- Supports multiple access modes
- Integration of various functions

Parameter

Model	HJ-G100-215L
Cell Type	LFP 3.2V/280Ah
Energy Rating	215kWh
Combined Configurations	1P240S
Voltage Range	DC 600~876V
Number Of Cycles	>8000@70%EOL,25℃
Depth of Discharge	80% DOD
Communication Interface	RS485,CAN,Ethermet
Grid-connected output parameters	
Rated output power	100kW
Rated grid voltage	380/400V AC,3L/N/PE
Rated current	140A
Power factor	-0.99~+0.99
Rated grid Freq.	50/60Hz
Total Harmonic Current Distortion	<3%
Off-grid output parameters	
Rated output power	100kW
Rated grid Freq.	50/60Hz
Rated output current	140A
Off-grid switching time	<10ms
Max. Energy Conversion Efficiency	⩾86%
System parameter	
Dimensions (H * D * W)	1300×1300×2275(mm)
Ingress Protection Grade	IP54
Cooling method	Liquid cooling
Operating Temperature Range	-30℃~50℃(>45℃ derating)
Communication Protocol	RS485/RJ45 (Modbus RTU/TCP)

Application Scenarios:

Peak-to-valley arbitrage, grid-side frequency regulation, standby power supply.