

215 KWh Outdoor Cabinet Energy Storage System

HJ-G100-215L

Key Elements

- ✓ Cooling :Liquid Cooling
- ✓ Power :100KW/215KWh
- ✓ Model :HJ-G100-215L
- ✓ Energy Capacity :215KWh
- ✓ Battery Cell :LFP 3.2V/280Ah



Liquid-cooling technology

It adopts an integrated liquid-cooling system, with a high-efficiency inverter compressor and intelligent speed regulation of the fan, which can adjust the cooling capacity and wind speed in real time according to the heat load to ensure that the batteries operate at a suitable temperature and prolong the life of the batteries.



Energy Management Unit (EMU)

It is responsible for real-time communication with BMS, PCS, temperature control system, fire protection system and other equipments, collecting data and forwarding them to the energy storage cloud platform, so that users can view the data at any time through WEB or mobile phone APP. At the same time, EMU, as a local control unit, can execute various operation strategies, such as peak and valley arbitrage and demand management.



Supports multiple access modes

It supports AC0.4kV low-voltage side access, which can be flexibly integrated into different scenarios of power grid architecture to meet diversified energy access needs.



Integration of various functions

It has the functions of peak/valley arbitrage, backflow prevention, manual connection and disconnection, etc., which can adapt to the energy management needs in different scenarios and realise the efficient use and optimal allocation of energy.



HJ-G100-215L Technical Specification

Model number	HJ-G100-215L
Item	Technical parameters (single system)
System parameters	
Rated Discharge Power	100kW
Rated charging power	100kW
Rated Energy Storage Capacity	213kWh
Storage Battery Type	Lithium iron phosphate, 280Ah single unit
Battery Module	1P48S
Single Cluster Formation	1P240S
Maximum Energy Conversion Efficiency	≥86%
DC Side Parameters	
Rated Voltage	DC768V
Battery voltage range	DC 600V~876V
Rated Power	100kW
Rated Current	140A
Maximum DC Power	110kW
Maximum DC Current	192A
AC Side Parameters	
Rated grid voltage/allowable grid voltage range	400V (-20%~+15%)
Rated grid frequency / permissible grid frequency range	50Hz/60 Hz (±2.5)
Rated power factor	-0.99~+0.99
Cabinet parameters	
Overall Dimension(W×D×H)mm	1300×1300×2275
Weight (t)	≤3
Installation method	Cement foundation or channel steel
Protection grade	IP54
Spraying Colour	RAL 7035 Off-white matt
Thermal management technology	Liquid- cooling

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