

233KWh Outdoor Cabinet Energy Storage System

HJ-G55-233L

HJ-G110-233L

Key Elements

- ✓ Cooling :Liquid Cooling
- ✓ Power :55KW/233KWh; 110KW/233KWh
- ✓ Model :HJ-G55-233L/HJ-G110-233L
- ✓ Energy Capacity :233KWh
- ✓ Battery Cell :LFP 3.2V/280Ah



Highly integrated

Productised system, integrating energy storage battery, PCS and power distribution, temperature control, fire protection, flooding door magnet, and monitoring and communication, comprehensively controlling system operation status and risk.



Excellent protection

Patented outdoor cabinet protection design, optimised cooling air ducts, protection against dust and rain; front and rear doors open for maintenance, facilitating side-by-side arrangement of multiple systems on site and reducing floor space.



Space saving

Door-mounted embedded integrated air-conditioning, does not take up cabinet space, increase the available space in the cabinet, better structural integrity of the top, good waterproof effect.



Intelligent management

The local control panel can realise system operation monitoring, energy management strategy formulation, equipment remote upgrade and other diversified functions.



HJ-G55-233L HJ-G110-233L Technical Specification

Technical parameters	HJ-G55-233L	HJ-G110-233L
DC Side Parameters		
Cell Type	LFP3.2V/280Ah	
Combination Configuration	1P260S	
Rated Energy	233kWh	
Voltage range	650-949V	
Cycle times	>7000times@70%EOL,25℃	
Communication Interface	RS485,CAN,Ethernet	
Conforms to standard	GB/T 36276,GB/T34131	
AC parameters		
Rated output power	55kW	110kW
Rated grid voltage	400V, 3-phase 5-wire	
Allowable grid voltage range	340~460V, ± 15%	
Rated current	79A	158A
Power factor	1 (ahead) - 1 (behind)	
Rated grid frequency	50 ±5Hz	
Overload capacity	110%: long-term operation; 120%: not less than 1 min.	
Total current waveform distortion rate (THDi)	<1.5%(100%PN)<5%(≥20%PN)	
Off-grid operating parameters		
Rated output voltage of independent inverter	400V(340~460V)	
Independent inverter voltage unbalance	<2%, not more than 4% for short periods of time	
Switching time between grid and off-grid	≤10ms	
STS specification	FSS-M200R1	
DC Side Parameters		
DC operating voltage range	650V~1000V	
Full power operating range	650V-950V	
Maximum DC current	93A	186A
Basic parameters		
Protective Functions	High/low voltage ride-through, anti-islanding, AC overcurrent, AC short circuit, AC overvoltage/subvoltage, AC incoming phase sequence error	
Maximum efficiency	99.00%	
Protection class	IP20	
Operating ambient temperature	-30℃~70℃(>50℃ derating)	
Relative humidity	0~ 195%(non-condensing)	
Cooling method	Air- cooling	
Dimension(L *W*H)	715mm *500mm*190mm	
Weight (LxWxH)	≤66kg±0.5kg	
Noise Index	<80dB	
Maximum Working Altitude	3000m(>3000m derating)	
Communication method	RS485,CAN,Ethernet	
Conforms to standard	GB/T 34120,GB/T34133,EMC	
System parameters		
Dimension(H X D x W)	2130*1350*1373mm	
Weight	≈3.4T	
Protection Grade	IP54	
Anti-corrosion grade	C4/C5	
Cooling method	Liquid Cooling	
Operating Temperature Range	-30℃~50℃(>45℃ derating)	
Operating humidity range	0~95%(non-condensing)	
Maximum working altitude	3000m(>2000m derating)	
Fire Fighting Mode	Aerosol + PACK level immersion + active warning	
External communication protocol	Modbus RTU,CAN2.0,Modbus TCP	

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