

1MWh Energy Storage Container System

HJ-G1000-1000F

Key Elements

- ✓ Cooling :Air Cooling
- ✓ Power :1MW/1MWh
- ✓ Model : HJ-G1000-1000F
- ✓ Energy Capacity :1MWh
- ✓ Battery Cell :LFP 3.2V/90Ah



Reasonable container design

20-foot standard containers are used, with good anti-corrosion, fire, water, dust (wind and sand), shock and ultraviolet ray protection, etc., to ensure that the box system will not fail within 25 years due to corrosion, fire, water, dust and ultraviolet rays



Advanced System Architecture

Adopting three-layer control architecture, the top layer is the energy management system, the middle layer is the central control system, and the bottom layer is the equipment layer, forming an autonomous system capable of realizing self-control, protection and management.



Perfect fire-fighting system

The container is equipped with perfluorohexanone automatic fire-fighting system, which has high fire-fighting efficiency and speed, and will not cause any harm to the electric equipment.



Excellent battery performance

3.2V/90Ah (1C) cells 2P16S form a battery module, 14 battery boxes are connected in series to form a cluster of batteries, with a nominal capacity of 129.024kWh, and a cycle life of up to 5,000 cycles (1C charge,1C discharge), with a capacity retention of ≥80%



HJ-G1000-1000F Technical Specification

Model number		HJ-G1000-1000F
AC Side Parameters		
Rated AC power	500kVA	
Wiring Method	three-phase, three-wire (TCM)	
AC overload capacity	550kVA	
Allowable grid voltage	380/400 (-15%~15%) Vac	
Permissible grid frequency	50/60 (-2.5~2.5) Hz	
Harmonic distortion rate	≤3%	
power factor	0.99/1~1	
DC Side Parameters		
Maximum DC power	550kW	
DC voltage operating range	600~900Vdc	
Number of DC accesses	1/2/4/8	
Maximum DC current per circuit	880/440/220/110A	
Modular approach	2P16S	
Rated capacity	180Ah	
Rated voltage	DC51.2V	
Operating Voltage Range	DC44.8-57.6V	
Energy rating	9.216kWh	
Maximum Continuous Discharge Current	180A	
Discharge ambient temperature	-20℃~55℃	
Charging ambient temperature	0℃~50℃	

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