

1MWh Energy Storage Container System

HJ-G500-1000F

Key Elements

- ✓ Cooling :Air Cooling
- ✓ Power :500KW/1MWh
- ✓ Model :HJ-G500-1000F
- ✓ Energy Capacity :1MWh
- ✓ Battery Cell :LFP 3.2V/280Ah



Intelligent monitoring and management

Equipped with a dynamic ring monitoring system, the power equipment and environmental variables in the server room are centrally monitored through various types of sensors, realising the functions of monitoring the normal state of equipment operation, predicting the abnormal state, and online intelligent fault diagnosis.



Reasonable container design

20-foot standard containers are used, with good anti-corrosion, fire prevention, waterproof, dustproof (wind and sand), shock-proof, UV protection, etc. The layout of the box is reasonable, placing the energy storage converter, battery racks, fire protection



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 realising self-control, protection and management.



Efficient and reliable converter:

The 500kW storage converter is designed as an integrated solution, supporting simultaneous access to loads, batteries, grid or diesel generators, and photovoltaic, with a variety of operating modes and flexible battery com-



HJ-G500-1000F Technical Specification

Model number	HJ-G500-1000F
Container System	20ft container (6058*2438*2896mm)
Battery System (with BMS)	78 51.2V/280Ah battery PACKs, total battery capacity 1118.208KWh
Power	500KW, off-grid and grid-connected optional
Convergence control cabinet	EMS system, parallel convergence system
Electric control cabinet	EMS system, AC power distribution system
Fire Fighting System	Containing fire protection cabinet, fire control cabinet, fire protection mainframe, fire protection cylinders, do-not-enter sign, audible and visual alarms.
Monitoring System	Containing access control system, environmental monitoring system
Air conditioning system	Floor-standing integrated machine, rated cooling capacity 20KW, including air conditioning duct system

Contact Us

Web: www.hj-ess.com
Email: chinahuijue@gmail.com
WhatsApp: +86 136 5163 8099
Shanghai HuiJue Technologies Group Co., Ltd



WhatsApp Version1.0