# 1MWh Energy Storage Container System

## HJ-G500-1200F 500KW/1.2MWh

## Product Introduction

HJ-G500-1200F 1MWh Energy Storage Container System is a highly-integrated and high-efficiency energy storage solution, which adopts high-quality battery technology and intelligent control system, and integrates the battery and PCS (Energy Storage Converter) in a standard 20-foot container. With a total capacity of 1205.760KWh and a rated power of 500KW, it has off-grid and on-grid options, can meet various energy storage and management needs, and is suitable for power protection and energy regulation in various scenarios.

## Product Features

- High-performance battery system
- High-efficiency temperature control system
- Perfect safety protection
- Intelligent monitoring and management
- Intelligent control system



## Parameter

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|---|---|
| Model | HJ-G500-1200F |
| Cell Type | LFP 51.2V/314Ah |
| Energy Rating | 1205.76kWh |
| Combined Configurations | 75*51.2V/314Ah Packs |
| Voltage Range | DC652~DC880V |
| Dimensions (H * D * W) | 6058×2438×2896mm |
| Weights | ≈31T |
| Ingress Protection Grade | IP54 |
| Fire Fighting Methods | container level fire fighting system, including gas detection device, fire alarm system, perfluorohexanone fire extinguishing system with pipe network. |
| Max. operating altitude | 3000m (>2000m derating) |
| Operating Temperature Range | -30°C~50°C(>45°C derating) |
| Cooling method | Air cooling |
| Communication Protocol | RS485/Ethernet (Modbus TCP, IEC 104, IEC 61850) |
| Rated output power | 500KW |
| Rated current | 50Hz |
| Grid Freq. Range | 45~55Hz |
| Total Harmonic Current Distortion | <3% |
| Rated grid Freq. | -1~+1 |
| Product Standard | GB/T36276、GB/T34131、GB/T34120、GB/T34133、GB/T44026 |
| Safety certification | IEC62619-1/2 |
| EMC certification | EN61000-6-1/2/3 、IEC61000 |
| Grid Connection Standard | AS4777-2:2020,NRS097-2-1:2017, PN-EN50549-1:2019, VDE-AR-N4105:2018, EN50549-1:2019+AC:2019-4, CQC3310-2014 |

## Application Scenarios:

Power grid peak shifting and frequency regulation, industrial and commercial standby power, microgrid construction.