# 5MWh Energy Storage Container System

## HJ-G0-5000F 5MWh

## Product Introduction

HJ-G0-5000F Energy Storage Container System is a high-capacity energy storage device, adopting 3.2V/314Ah Li-FePO4 battery, with a rated capacity of 5MWh. The integrated battery management system (BMS) and thermal management system with air-cooling can effectively control the battery temperature and prolong the service life of the battery, which is suitable for a variety of energy storage application scenarios.

## Product Features

- Highly efficient energy storage
- Low self-discharge
- Low noise operation
- Various communication interfaces



## Parameter

| | |
|---|---|
| Model | HJ-G0-5000F |
| Cell Type | LFP 3.2V/314Ah |
| Energy Rating | 5MWh |
| Voltage Range | DC1331.2V |
| Dimensions (H * D * W) | 6058*2438*2896mm |
| Weights | ≈33T |
| 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 | 2500KW |
| 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:

Solar power station, wind farm, peak shaving and valley filling, energy management of commercial buildings.