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.