2MWh Energy Storage Container System

HJ-G1000-2000F 1MW/2MWh

Product Introduction

HJ-G1000-2000F 2MWh Energy Storage Container System is an efficient, safe and intelligent energy storage solution. The core components include a single energy storage battery compartment, an energy storage converter, an energy management system and various auxiliary materials, each of which has been carefully designed and rigorously tested.

Product Features

- High-efficiency air-cooled battery PACK
- **PCS** High-performance PCS
- Convenient management software
- Integrated Energy Storage Container

Parameter

Model	HJ-G1000-2000F
Cell Type	LFP 51.2V/280Ah
Energy Rating	2007.04KWh
Combined Configurations	1P16S
Voltage Range	696~941V
Dimensions (H * D * W)	12192*2438*2896mm
Weights	≈46T
Ingress Protection Grade	IP55
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	Intelligent forced air cooling
Communication Protocol	RS485/Ethernet (Modbus TCP, IEC 104, IEC 61850)
Rated output power	1000KW
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:

Grid-side energy storage for peak and frequency regulation, power-side energy storage for smoothing power output, user-side energy storage for power quality improvement.