1MWh Energy Storage Container System

HJ-G1000-1000F 1MW/1MWh

Product Introduction

HJ-G1000-1000F 1MWh Energy Storage Container System is a highly efficient, safe and intelligent energy storage solution developed by Huijue Group. The system adopts lithium iron phosphate battery technology, with grid-connected energy storage converter, intelligent control through energy management system (EMS), with perfect communication, monitoring, management, control, early warning and protection functions, which can realize long-time continuous and safe operation, and is suitable for a variety of energy storage application scenarios.

Product Features

- Advanced System Architecture
- Excellent battery performance
- Intelligent management
- Perfect fire-fighting system
- Reasonable container design

Parameter

Model	HJ-G1000-1000F
Cell Type	LFP 3.2V/90Ah
Energy Rating	1MWh
Combined Configurations	2P224S
Voltage Range	DC716V
Dimensions (H * D * W)	6058*2438*2896mm
Weights	≈30T
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 station FM, industrial energy storage, commercial energy storage, microgrids