5MWh Energy Storage Container System

HJ-G2500-5000F

> Parameter

Model	HJ-G2500-5000F
Cell Type	LFP 3.2V/314Ah
Energy Rating	5MWh
Combined Configurations	12P416S
Voltage Range	DC1164.8V-DC1497.6V
Dimensions (H * D * W)	12192*2438*2896mm
Weights	≈45T
Ingress Protection Grade	IP54
Fire Fighting Methods	ccontainer 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-55°C(>45°C derating)
Cooling method	Air cooling
Communication Protocol	(Modbus TCP/RTU IEC60870-5-104,CAN)
Rated output power	2500kW
Reted current	2300A
Total Harmonic Current Distortion	<3%
Rated grid Freq.	50/60Hz
Product Standard	IEC 62477-1、IEC 62619、IEC 63056、EU 1542/2023
Safety certification	UN38.3, MSD
EMC certification	EN IEC 61000-6-1/2/3/4
Grid Connection Standard	EN 50549-1, EN 50549-2

> Product Introduction

The air-cooled commercial and industrial energy storage cabinet features highly efficient industrial air conditioning for heat dissipation, ensuring stable system operation and low maintenance costs. It supports large-scale peak shaving and PV-storage integration, flexibly adapting to high-energy-consumption scenarios. This helps enterprises significantly reduce electricity costs and easily achieve a green, low-carbon transition.

> Product Features

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

> Application Scenarios:

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