5MWh Energy Storage Container System

HJ-G0-5000L 5MWh

Product Introduction

HJ-G0-5000L Energy Storage Container System is a reliable and efficient energy storage solution that integrates high-performance battery technology and precise liquid cooling system. It is designed to meet the needs of large-scale energy storage and is widely used in energy storage, power grid peak shifting and frequency regulation, renewable energy access and other fields.

Product Features

- High-efficiency energy storage
- Precise liquid-cooled temperature control
- Flexible Expandability
- Intelligent monitoring and management

Parameter

Model	HJ-G0-5000L
Cell Type	LFP 3.2V/314Ah
Energy Rating	5016KWh
Combined Configurations	12×1P416S
Voltage Range	DC1331.2V
Dimensions (H * D * W)	6058*2438*2896mm
Weights	≈45T
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	Liquid 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:

Peak and frequency regulation, standby power; enterprises and industrial parks to provide peak shaving and valley filling demand management, standby power and other services; can be composed of microgrids with other distributed energy equipment.