3.44MWh Energy Storage Container System

HJ-G0-3440L 3.44MWh

Product Introduction

The HJ-G0-3440L liquid-cooled energy storage container system is designed for large-scale industrial, commercial and power industries, providing a high-capacity energy storage solution with a single capacity of 3,440KWh.
The containerised design allows for flexible deployment and is suitable for scenarios requiring large-scale energy storage, helping to optimise energy costs and ensure energy security.

Product Features

- High Energy Capacity
- Intelligent Energy Management
- Durable and Safe
- Enhanced Safety
- Long service life

Parameter

Model	HJ-G0-3440L
Cell Type	LFP 51.2V/280Ah
Energy Rating	3440kWh
Combined Configurations	10P384S
Voltage Range	DC1075.2~DC1363.2V
Dimensions (H * D * W)	6058×2438×2896mm
Weights	≈36T
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	1720KW
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 grid peak load regulation: Provides grid support by balancing supply and demand, storing excess energy, and delivering power during peak demand periods.

Industrial energy storage: supports large-scale industrial operations by providing reliable backup power and peaking capabilities to reduce operating costs.

Utility-scale storage: Can be deployed as utility-scale energy storage to ensure grid reliability and maximise the use of renewable energy.