

2MW/4MWH Energy Storage Container System

HJ-G2000-4000L



> Product Introduction

The liquid-cooled commercial and industrial energy storage cabinet features a highly efficient liquid cooling system, ensuring minimal cell temperature differences and a longer cycle life. 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

 High Energy Capacity

 Intelligent Energy Management

 Durable and Safe

 Enhanced Safety

 Long service life

> Parameter

Model	HJ-G2000-4000L
Cell Type	LFP 3.2V/314Ah
Energy Rating	4MWh
Combined Configurations	12P416S
Voltage Range	DC1164.8V-DC1497.6V
Dimensions (H * D * W)	6058*2438*2896mm
Weights	≈38T
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-55°C(>45°C derating)
Cooling method	Liquid cooling
Communication Protocol	(Modbus TCP/RTU IEC60870-5-104,CAN)
Rated output power	2000kW
Rated current	1800A
Grid Freq. Range	45~55Hz
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

> 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