



5MWh Energy Storage Container System

HJ-G2500-5000L

> Product Introduction

The liquid-cooled commercial and industrial energy storage cabinet utilizes highly efficient liquid cooling technology to ensure precise temperature control and extend battery lifespan. 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 density

 Large-capacity storage

 High protection level

 Adapt to complex environment



HJ-G2500-5000L

> Parameter

Model	HJ-G2500-5000L
Cell Type	LFP 3.2V/314Ah
Energy Rating	5MWh
Combined Configurations	12P416S
Voltage Range	DC1164.8V-DC1497.6V
Dimensions (H * D * W)	6058*2438*2896mm
Weights	≈45T
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	2500kW
Rated current	2300A
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:

Grid peaking and frequency regulation, renewable energy integration, industrial and commercial backup power, microgrid and off-grid power supply.