Wall-Mounted Lithium Battery Module

HJ-HBL48101W

Product Introduction

Hui Jue Group's HJ-HBL48101W series wall-mounted lithium-ion battery modules feature high-capacity, high-safety lithium iron phosphate ($LiFePO_4$) cells combined with a stacked structure design to enhance space utilization. The product is equipped with a high-precision battery management system (BMS) that can monitor and collect real-time voltage and temperature data within the module, enabling cell-level intelligent temperature control and active balancing management, significantly improving system efficiency and battery cycle life.

Premium $LiFePO_4$ Cathode Material

Intelligent BMS Control System

Comprehensive Monitoring Capabilities

Built-in Smart Balancing Module

HUIJUE GROUP

HJ-HBL48101W

Technical Specification

Parameter

Product model	HJ-HBL48101W（B-22）
Battery cell	LiFePO4
Maximum continuous discharge current	100A
Available capacity	5120WH
Rated voltage	51.2V
Voltage range	40-58.4V
Maximum charging voltage	58.4V
Recommended charging voltage	50A
Recommended charging current	50A
Cycle life (standard charge/discharge at normal temperature)	≥6000 times
Communication	Standard with RS485 and CAN
Battery discharge depth (DOD)	≥95%
Operating temperature range	charge：0℃～60℃ ;discharge：-20℃～60℃；
Storage temperature	1 month：-20℃～45℃；1 year：0℃～35℃；
Cell temperature protection	Charge: 0C~45℃，Discharge: -20℃-60℃
Weight (net weight, for reference) KG	42.5KG
Depth × Width × Height (mm)	550*360*140

Application Scenarios

Home backup power　Commercial energy management systems
Renewable energy integration　Industrial emergency power supply