

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 (LiFePO₄) 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 LiFePO₄
Cathode Material



Intelligent BMS
Control System



Comprehensive
Monitoring Capabilities



Built-in Smart
Balancing Module



HJ-HBL48101W
Technical Specification

Parameter

Product model	HJ-HBL48101W (B-22)
Battery cell	LiFePO ₄
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°C~60°C ;discharge: -20°C~60°C;
Storage temperature	1 month: -20°C~45°C; 1 year: 0°C~35°C;
Cell temperature protection	Charge: 0C~45°C, Discharge: -20°C~60°C
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