

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-5)
Rated Voltage	51.2V
Rated Capacity	100Ah
Rated Energy	5.12kWh
Output Voltage Range	43.2V~58.4V
Charging Voltage	57.6~58.4V
Cut-off Voltage	43.2V
Max.Charging Current	100A
Recommended Charging Current	50A
Max.Discharging Current	100A
Efficiency	98%
Dimension H*W*D(mm)	550*370*185
Net Weight (kg)	45
Gross Weight(kg)	47
Humidity	5%~95% Relative humidity
Charging Temperature	-20℃~65℃
Discharging Temperature	-20℃~60℃
Storage Temperature	-10℃~50℃
Cycle Life	>6000times(0.2℃,@25℃,80%DOD)
Design Life	>10 years
Operating Mode	Touchable Screen

Application Scenarios

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