Stacked Lithium Batteries

HJ-HBL48101S

Product Introduction

The HJ-HBL48101S battery pack is a smart stackable residential energy storage power product featuring a lithium iron phosphate battery system. The product features a side panel features mounting brackets that can be used to secure the unit to a wall, offering both an aesthetically pleasing design and space-saving benefits.

Premium $LiFePO_4$ Cathode Material

Intelligent BMS Control System

Comprehensive Monitoring Capabilities

Built-in Smart Balancing Module

HUIJUE GROUP

HJ-HBL48101S

Technical Specification

Parameter

Product model	HJ-HBL48101S (B-21)
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