

Rack-Mounted Lithium Battery

HJ-HBL48303R



Product Introduction

The HJ-HBL48303R rack-mounted lithium-ion battery adopts a standardized rack-mounted structure, integrating multiple high-performance lithium-ion battery modules into a robust rack to achieve efficient space utilization and flexible capacity expansion. It also provides efficient energy storage and release capabilities, ensuring reliable power supply for critical equipment.

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 Efficient Integrated Design
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 High-Performance Battery Cells
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 Intelligent Battery Management System
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 High Reliability and Safety

Parameter

Product model	HJ-HBL48303R (B-38)
Battery Type	Lithium iron phosphate (LiFePO4)
Capacity	300Ah
Nominal Voltage	51.2
Operating Voltage	46 - 56
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Energy (kWh)	15.36
Available Energy (kWh)	13.82
Charging Voltage	58.4
Charge/Discharge Current (A)	Recommended value: 40 Maximum value: 100
Recommended Discharge Depth	90%
Dimensions	730 x 525 x 245 mm
Approximate Weight (kg)	121.6 kg
Enclosure Protection Rating	IP21
Operating Temperature	Charging: 10°C - 45°C; Discharging: -20°C - 60°C
Storage Temperature	-20°C to 50°C Recommended (25±5°C)
Humidity	5% - 95%
Altitude	≤2000 metres
Cycle Life	≥4000 cycles
Communication Interface	RS232, CAN, RS485

Application Scenarios

The rack-mounted lithium-ion battery system, with its efficient integration, high performance, intelligent management, and high reliability, provides an ideal energy storage solution for critical applications such as data centers, communication base stations, and industrial automation, ensuring stable equipment operation and efficient energy utilization.