Floor-Mounted Battery

HJ-HBL48280F

Product Introduction

The floor-standing lithium-ion battery system uses high-safety lithium iron phosphate ($LiFePO_4$) battery cells, featuring easy installation, a compact and stylish design that seamlessly integrates into various residential and commercial environments, and compatibility with mainstream hybrid inverters, providing optimal solutions for diverse energy storage applications

Long lifespan & high safety

Intelligent Battery Management System

Modular Capacity Expansion

Wide Compatibility

HUIJUE GROUP

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Technical Specification

Parameter

Product model	HJ-HBL48280F(B-4)
Cell chemical formula	LiFePO4
Maximum continuous discharge current	100A
Available capacity	15360Wh
Rated voltage	51.2VDC
Voltage range	43.2V - 58.4VDC
Cycle life	≥8000 times
Communication	RS232、RS485、CAN
Battery discharge depth	≥95%
Charging current limiting function	10A
Discharge overcurrent instantaneous protection	≥150A/100ms
Overvoltage protection release	Discharge current > 1A disengages (59.2V overvoltage protection)
Over-discharge protection release	Charging current > 1A disengages
MOS high-temperature protection	MOS transistor over-temperature protection
Cell temperature protection	Cell low temperature (-20˚C) and high temperature (70˚C) protection
Cell failure protection	Cell voltage difference > 1V
Protection rating	Ip21
Display screen	LED light strip display + LCD screen
Operating temperature range	Discharge: -10˚C to +50˚C; charging: +0˚C to +60˚C
Storage temperature	>1 month: 0˚C to 35˚C; ≤1 month: -20˚C to 45˚C
Weight (net weight, for reference) KG	/

Application Scenarios

This lithium battery provides an ideal energy storage solution for a variety of scenarios, including residential, commercial, and industrial applications, ensuring stable operation of equipment and efficient use of energy.