

48V 100AH LiFePO4 Battery Pack

This 48V 100AH LiFePO4 battery pack delivers a reliable power solution with its high capacity. It utilizes Lithium Iron Phosphate (LiFePO4) chemistry, ensuring long-lasting performance and enhanced safety.



ADDITIONAL IMAGES



Overview

High-Performance LiFePO4 Energy Solution

This 48V 100AH LiFePO4 lithium battery module is engineered for reliability and longevity in demanding applications such as off-grid solar power systems. Featuring advanced protection functions against overcharge, over-discharge, overcurrent, short circuits, and over-temperature, it ensures safe and consistent performance. With a robust design supporting horizontal or wall-mounted installation, it provides an efficient, long-cycle energy storage solution.

Electrical Specifications

Nominal Voltage	48 V
Nominal Capacity	100 AH
Charge Voltage	54.75±0.25 VDC
Float Charge Voltage	55.2±0.2 VDC
Cut-Off Voltage	37.5±1 VDC

Performance Metrics

Key Performance Metrics

20 A

Max Charge Current

50 A

Max Discharge Current

100 A

Peak Discharge Current

1500 cycles

Cycle Life

Safety & Features

Usage Precautions

- Do not immerse in water or seawater
- Keep away from heat sources and fire
- Do not reverse positive and negative terminals
- Do not short circuit with metal objects
- Do not disassemble or pierce the battery
- Do not charge under extreme conditions

Protection Features

Overcharge Protection, Over-discharge Protection, Overcurrent Protection, Short-circuit Protection, Overtemperature Protection, Cell Equalizer

Mechanical & Environmental

Installation

Horizontal • Wall Hanging

Impedance

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