

48V 100Ah Lithium Iron Phosphate Battery

This 48V 100Ah lithium iron phosphate (LFP) battery is designed for energy storage applications. It features a built-in battery management system (BMS) for safety and performance optimization.



ADDITIONAL IMAGES



Overview

High-Performance LiFePO4 Energy Storage

This 48V 100Ah Lithium Iron Phosphate battery is engineered for reliability and safety in demanding energy storage applications. Featuring an advanced integrated Battery Management System (BMS), it provides real-time monitoring, remote control capabilities, and comprehensive protection against voltage, current, and temperature fluctuations. Its compact, modular design supports easy installation in standard 19-inch cabinets or wall-mount configurations, making it an ideal choice for backup power, UPS systems, and industrial monitoring.

Technical Specifications

Nominal Voltage	48 V
Rated Capacity	100 Ah
Cycle Life (Standard)	Up to 3000 cycles to 80% DOD (e2000 cycles to 100% DOD)
Cycle Life (Type C)	Up to 5000 cycles to 80% DOD (e3500 cycles to 100% DOD)
Self-Discharge Rate	d2%per month
Operating Temperature Range	-20 to 60°C

Features & BMS

Installation Options

19-inch Cabinet • Wall-mounted

Key Performance Metrics

95 %

Fast Charge Capacity (30 min)

BMS Capabilities

Voltage Protection, Current Protection, Temperature Monitoring, Remote Control, Modbus Communication, Secondary Cut-off

Applications

Common Use Cases

- Wireless Hut back-up power
- Fiber-Optic access network back-up
- Industrial UPS Systems
- 48V Switchgear & Control
- Street & Highway Monitoring
- Outdoor Billboard lighting