

# Lithium Iron Phosphate Battery 48V 100Ah

This lithium iron phosphate (LiFePO4) battery is designed for energy storage applications. It features a modular design for scalability, allowing users to connect multiple batteries in parallel to increase capacity.



## ADDITIONAL IMAGES



## Overview

### High-Performance Energy Storage

This 48V 100Ah Lithium Iron Phosphate (LiFePO4) battery is engineered for reliable energy storage in demanding environments. It features an advanced integrated Battery Management System (BMS) that provides real-time monitoring and protection against voltage, current, and temperature fluctuations. With a modular design that supports parallel expansion, this solution is ideal for industrial UPS, telecommunications backup, and renewable energy applications.

## Technical Specifications

### Cycle Life

**5000 cycles**

Cycles to 80% DOD

**3500 cycles**

Cycles to 100% DOD

Rated Voltage	48 V
Rated Capacity	100 Ah
Operating Temperature Range	-20 to 60°C
Self-Discharge Rate	d2%per month

## Features & BMS

### BMS Protection & Control

- Voltage protection
- Current protection
- Temperature monitoring
- Alarm functions
- Remote control capability
- Secondary cut-off protection

### Communication Protocols

Modbus, RS485, CAN

## Installation & Design

### Mounting Options

19-inch Cabinet • Wall-mounted

### Cooling System

Passive cooling (low noise)

## Applications

### Primary Applications

Wireless Hut Back-up, Industrial UPS, Street Lighting, Fiber-Optic Access, Surveillance Systems