

# Lithium Iron Phosphate Battery for UPS

This lithium iron phosphate (LiFePO4) battery system is designed for uninterruptible power supply (UPS) applications. The battery module provides stable power backup for critical systems in demanding environments.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance LiFePO4 Energy Storage

This advanced Lithium Iron Phosphate (LiFePO4) battery system is engineered for reliable uninterruptible power supply (UPS) applications. It delivers superior cycle life, enhanced safety, and high energy density compared to traditional lead-acid alternatives. Featuring an integrated Battery Management System (BMS), the unit provides real-time monitoring, remote control capabilities, and intelligent protection to ensure optimal performance in demanding environments.

## Technical Specifications

### Cycle Life Performance

Configuration	Cycles (80% DOD)	Cycles (100% DOD)
Type C	Up to 5000	e3500
Standard	Up to 3000	e2000

Operating Temperature Range	-20°C to 60°C
Self-Discharge Rate	d2%per month
Fast Charging Performance	Reaches 95% capacity in 30 minutes at 1C current

## Features & BMS

### BMS Capabilities

- Voltage, current, and temperature protection
- Real-time parameter monitoring
- Remote control via computer management
- Modbus protocol communication
- Secondary cut-off protection for low voltage

Communication Ports	RS485, RS232, RST, Dry Contact
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## Design & Installation

### Mounting Type

19-inch Rack • Wall-mounted

### Cooling System

Passive cooling (low noise)

## Applications

### Primary Applications

- Wireless Hut back-up power
- Wireless Repeater back-up
- Fiber-Optic access network back-up power
- Outdoor Billboard lighting
- 48V Switchgear & Control Back-up Power
- Long duration Industrial UPS Systems
- FTTB & LAN/WIFI Connection Power
- Street & Highway Monitoring & Surveillance