

Lithium Iron Phosphate Battery 48V 50Ah

This lithium iron phosphate (LiFePO₄) battery is designed for energy storage applications requiring reliability. It features a battery management system (BMS) for optimal performance and protection.



ADDITIONAL IMAGES



Overview

High-Performance Lithium Iron Phosphate Energy Storage

This 48V 50Ah Lithium Iron Phosphate (LiFePO₄) battery is designed for demanding industrial and telecommunications backup applications. It features an advanced embedded Battery Management System (BMS) that provides real-time monitoring, remote control capabilities, and multi-layered protection against voltage, current, and temperature fluctuations. Engineered for reliability, it offers a wide operating temperature range, passive cooling for silent operation, and flexible installation options including cabinet or wall-mounting.

Technical Specifications

Cycle Life Performance

5000 cycles

Cycles to 80% DOD (Type C)

3500 cycles

Cycles to 100% DOD (Type C)

Nominal Voltage	48 V
Capacity	50 Ah
Operating Temperature Range	-20 to 60°C
Self-Discharge Rate	d2%per month

Features & Safety

Safety Protections

- Voltage protection
- Current protection
- Temperature protection
- Alarm functions
- Secondary cut-off protection
- Electromagnetic shielding

Installation Compatibility

19-inch Cabinet • Wall-mounted

Key Features

LiFePO4 Chemistry, Embedded BMS, Passive Cooling, Modbus Protocol, Fast Charging, Sleep Mode

Applications

Typical Applications

Application Category

Wireless Hut back-up power

Industrial UPS Systems

Fiber-Optic access network

Street & Highway Surveillance

Outdoor Billboard lighting