

# LiFePO4 Battery Energy Storage Pack, 2.56-10.24 kWh, 48V 100AH

This LiFePO4 battery pack provides reliable energy storage for home energy systems and communication stations. It features long cycle life and an intelligent battery management system.



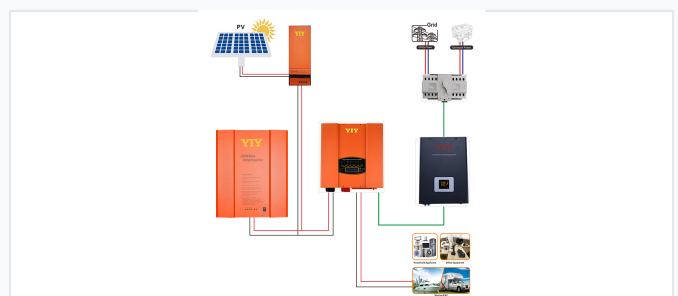
## ADDITIONAL IMAGES



## Overview



Intelligent monitoring interface showing real-time battery status, voltage, and load parameters.



System integration diagram showing compatibility with solar, utility, and generator power sources.

## High-Performance LiFePO4 Energy Storage

This LiFePO4 battery energy storage pack provides a reliable and efficient power solution for home energy storage, communication stations, and renewable energy systems. Featuring advanced Lithium Iron Phosphate technology, it offers a long cycle life of over 3,500 cycles at 80% Depth of Discharge (DOD). The system includes an intelligent Battery Management System (BMS) with active balancing, ensuring optimal performance, safety, and longevity for your energy storage needs.

## Key Features

### Performance Metrics

**3500 cycles**

Cycle Life

**48 V**

Nominal Voltage

**100 Ah**

Capacity

### Core Features

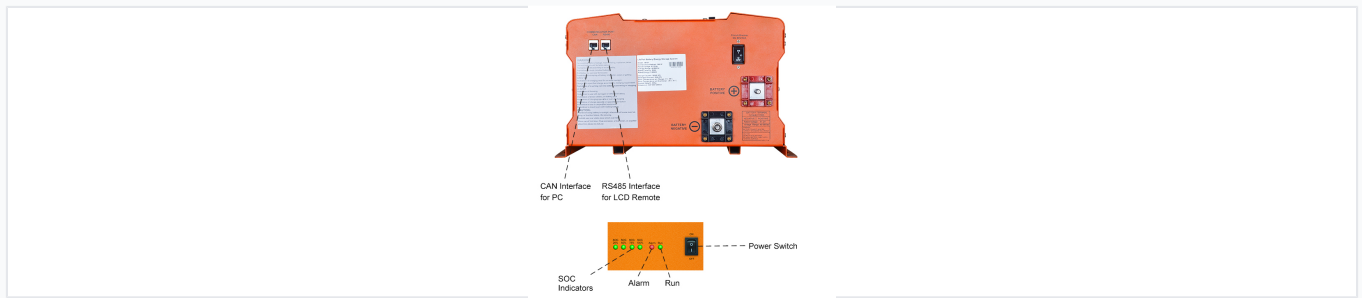
LiFePO4 Chemistry, Intelligent BMS, Active Balancing, Parallel Connection Support, Long Cycle Life, Indoor Rated

## Technical Specifications

### Model Specifications

Model	Energy	Voltage	Capacity
LFP12200M	2.56 kWh	12.8V	200Ah
LFP24100M	2.56 kWh	25.6V	100Ah
LFP48100M	5.12 kWh	51.2V	100Ah
LFP24400H	10.24 kWh	25.6V	400Ah
LFP48200H	10.24 kWh	51.2V	200Ah

## Communication & Connectivity



Physical interface featuring CAN/RS485 communication ports, circuit breaker, and LED status indicators.

### Communication Ports

- CAN Bus
- RS485
- Parallel Connection Support (Master/Slave)
- Remote Monitoring Compatible

## Operational Environment

### Operational Environment

- Operating Temperature: 0-30°C
- Humidity: 65%
- Protection Rating: IP31
- Indoor Use Only