

# Sealed Lead-Acid Battery for UPS

This sealed lead-acid battery is designed for uninterruptible power supply (UPS) applications. It provides reliable power backup to ensure continuous operation during power outages.



## Overview

### Advanced Energy Storage Solution

This high-performance battery system utilizes Lithium iron phosphate (LiFePO4) chemistry to deliver exceptional safety and an extended cycle life. Designed for versatility, it features an embedded Battery Management System (BMS) that provides real-time monitoring of voltage, current, and temperature, with remote communication capabilities via Modbus protocol. The system is engineered for wide-temperature operation and rapid charging, making it an ideal choice for industrial UPS systems, telecommunications, and outdoor infrastructure backup.

## Performance Metrics

### Cycle Life

**5000 cycles**

Type C Cycles (80% DOD)

**3500 cycles**

Type C Cycles (100% DOD)

**3000 cycles**

Standard Cycles (80% DOD)

### Operating Temperature Range

-20°C to 60°C

### Self-Discharge Rate

d2%per month

## Technical Features

### BMS Features

- Voltage, current, and temperature monitoring
- Modbus protocol communication
- Remote alarm and control functions
- Secondary cut-off protection
- Real-time parameter status tracking

### Installation Compatibility

19-inch Cabinet, Wall-mounted, Plug-and-play wiring

### Fast Charging Capability

95% capacity in 30 minutes at 1C current

## Applications

### Primary Applications

- Industrial UPS Systems
- Wireless Hut & Repeater Back-up
- Fiber-Optic (FTTx) Access Networks
- Outdoor Billboard Lighting
- 48V Switchgear & Control Power
- Street & Highway Monitoring

## Safety & Environment

### Safety Standards

Environment-friendly • No heavy metals • No memory effect • Passive cooling design