

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