

# Battery Monitoring and Maintenance System

This battery monitoring and maintenance system ensures optimal performance and longevity of battery systems. It provides real-time monitoring of key battery parameters and detects potential issues early.



## Overview

### Comprehensive Battery Management

This online battery monitoring and maintenance system is engineered for critical power environments including UPS, EPS, DC power, and communication systems. It provides real-time oversight of battery group voltage, current, individual cell voltage, internal resistance, and ambient temperatures. By utilizing advanced capacity calculation models, the system enables proactive maintenance, early fault diagnosis, and automatic voltage equalization to ensure optimal battery health and safety.

## Technical Capabilities

### Monitoring Parameters

- Battery group voltage and current
- Single cell voltage
- Single cell internal resistance
- Ambient temperature
- Single cell negative terminal temperature
- Battery voltage equalization level
- Remaining capacity and discharge duration

### Compatible Battery Voltages

2V, 6V, 12V

## Key Performance Metrics

### Core Performance Metrics

**1 Automatic**

Maintenance Mode

**100 Online**

Monitoring Status

## Application Areas

### Suitable Industries

Power Plants • Substations • Microwave Stations • UPS Server Rooms • Data Centers