EXAGATE

BATTERY MONITORING SYSTEM

Battery Monitoring Systems are smart monitoring systems designed for batteries and battery groups used in UPS, data centers, telecommunication base stations, and solar energy storage units.

With its built-in web server and mobile-compatible web-based monitor, Exagate Battery Monitoring Systems can report the battery and battery group parameters for all connected systems.

7/24 Monitoring & Balancing, Real Time Battery Alarm

- Online monitoring: voltage, temperature, impedance, charge and discharge status, state of charge (SOC), state of health (SOH)
- Online auto-balancing: automatically balancing charge differences between batteries in order to keep maximum uptime and lifespan of the battery

All In One System with Mobile, SMS & E-mail Alerts

- Mobile compatible system for remote management
- Multiple contact for SMS / E-mail alerts

Easy to Set-Up & Operate

- Easy to use browser
- User friendly Interface

BATTERY STRING MONITORING SENSOR

- String voltage
- String current
- Calculate string SOC (State of charge)
- Charging and discharging status of battery
- Auto-balancing function

BATTERY MONITORING SENSOR

- Individual cell voltage
- Individual cell temperature
- Individual cell internal impedance (Ohmic value)
- Individual cell SOC (State of charge)
- Individual cell SOH (State of health)
- Auto-balancing function

GATEWAY

- Embedded web-server and database
- Access to 4 strings and up to 480 sensors
- Battery and battery string alarm
- Data retrospection and alarm recording
- Automatic battery balancing function
- SMS alarm
- 2 ethernet ports, modbus TCP and SNMP communication
- Ambient temperature and humidity measurement support

System Functions

Real Time Monitoring

- Battery temperature, voltage, impedance, SOC and SOH monitoring
- Battery string voltage, charge and discharge status monitoring
- Temperature and humidity measurements
- Auto-Balance function for batteries
- Battery string status
- Battery sensor status

Historical Data Analysis

- Historical data analysis and archiving function for battery voltage, temperature, impedance, SOC and SOH
- Battery string graphics for voltage and SOC
- Historical charge and discharge data for batteries
- Battery alarm and system alarms