

# **Battery Analyzer Software**

**Battery Analyzer** and **DAS** are the powerful monitoring software based on BatteryDAQ's experience and focus. It provides users critical information about their batteries by data, tables and charts. The real-time string voltage, current, temperature, cell voltage, and internal resistance are collected and historical data is stored in the database. Battery condition can be easily visualized and analyzed/trended.

Client (Battery Analyzer) and server (DAS) communicate through standard Modbus-TCP protocol. One server can provide battery data for multiple clients. It is easy to integrate data and alarm to the enterprise central management informatics platform and building security system.

#### **Features**

- Real-time data display for current, string voltage, cell voltage, cell internal resistance, inter-cell connection resistance (depending on connected battery monitor model.)
- Real-time analysis and color indication for outliers
- Excel sheet export and report generation
- Easy to locate battery location, number and date/time
- Trend charts for voltage and internal resistance
- Store battery data, alarm and discharge events to database
- Record the entire discharge event with duration and discharge curve for each battery
- Modbus-TCP for integration to multiple systems
- Email and/or SMS alarm delivery
- SNMP to 3 IP addresses with trap management
- Can be installed for multiple users, each with its own selected sites and settings
- Compatible with MyBattery Platform<sup>™</sup>, a cloud based battery data access and management platform

## **Alarm Settings**

- String/Bus voltage high and low alarm
- Temperature high/low

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- Individual battery voltage high and low alarm
- Individual cell resistance high and low alarm
- Individual cell resistance warning as a percentage of alarm threshold
- Individual battery voltage low alarm during discharge
- Discharge string current high

### **Reports**

- Alarm list/condition reporting Excel
- Battery out-of-limits summary report Excel
- Individual battery voltages over time graph or Excel
- Individual battery resistance values over time – graph or Excel
- Total battery voltage over time graph or Excel
- Battery temperature / room temperature over time – graph or Excel
- Discharge report: total battery voltage decay vs. time – graph or Excel
- Discharge report: battery voltage decay vs. time – graph or Excel

# **Minimum PC Requirements**

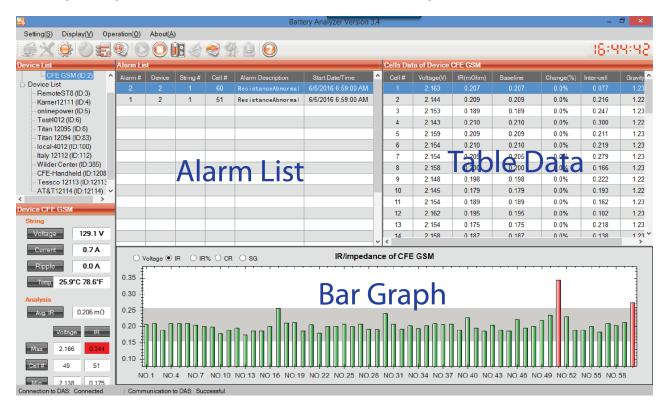
- Windows 7, Windows 8 and Windows 10 operation system
- RAM 2G, Disk 200G
- Able to install Microsoft SQL Express

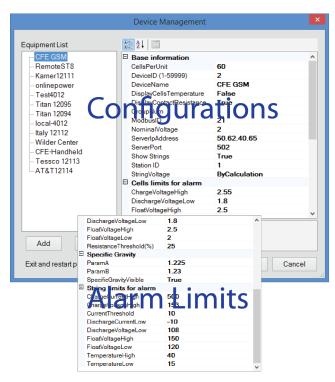


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# **Battery Analyzer Screenshots of Partial Functionality**







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