



GLOBAL ENERGY INNOVATIONS

# IBMS™ - Intelligent Battery Management System Companion Software for the EC-Series™ Analyzers & CM-Series™ Systems

## Standard and Enterprise Options

IBMS™ (Intelligent Battery Management System)

IBMS (Intelligent Battery Management System) - Software Product Brief

**INVENTORY OVERVIEW**

**EC1000, EC2000 COMMUNICATION**

**TEST RESULTS**

**DATA & CONFIGURATION REVIEW**

**AUTOMATIC BASELINE ADJUSTMENT**

**ORACLE® BASED ENTERPRISE SOFTWARE  
COMPATIBLE WITH SAP® CRYSTAL REPORTS**



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# IBMS™ (Intelligent Battery Management System) Software Feature List

IBMS MAIN FEATURES	
Inventory Overview	Immediate view of fault conditions with individual batteries or cells. Rapidly review hundreds of battery strings with a glance.
Advanced Report Generation	String and Cell History Reporting for Impedance, Voltage, Sulfation, Dryout, Temperature and Other. Export to PDF format. View your results as Impedance or Admittance (Conductance) in IBMS™. Our free Oracle® Appliance is compatible with SAP® Crystal Reports.
Define & Setup Inventory Structure	Define your inventory structure - Company, Region, Site, String, Battery, Cell. Personalize the naming of batteries and cells to your industry standards, and change the names of the inventory levels to fit your personal and company requirements.
Rapid Configurations	Use IBMS™ to setup the configuration of Battery Types, Alarm Settings, String Configurations General Test Settings & Inventory Configurations.
Basic & Advanced Views	Select between Basic and Advanced user settings (views). The Advanced user view allows for advanced functions such as Baseline Adjustment.
U.S. & European Conventions and Language Modules	Select between U.S. and European conventions such as Date, Temperature (°F/°C), and others. Various Language Modules available - French, Spanish, German.
Automated Baseline Adjustment	Use our patent pending baseline adjustment tool for adjusting the baseline values of batteries and cells in new and aged strings. Our patent pending algorithms rapidly calculate correct impedance, sulfation and dryout baseline values so you don't have to guess anymore.
Rapid Database Backup	Backup your entire IBMS™ database at any time using the Backup Data feature. Sync to the Cloud using our Free Optional Oracle® Database Sync feature.
Data Export	Export Test Results and Configurations effortlessly to Microsoft Excel or XML formats. Also export in IBMS™ format and re-import into any other IBMS™ Continuous Monitoring System database.
Data Import	Import Test Results and Configurations from other devices and other IBMS™ installations.
Event Handling	Automated notifications via SMS and E-mail for critical events (alarm conditions).
Firmware Updates	Automated firmware updates via the internet and IBMS™ Enterprise Software. Firmware updates carry the latest features for your System.
Rapid Online Feature Activation	Purchase and activate new features for your System using IBMS™ Software and our Online Feature Activation Server. Upgrade at the click of a button from the CM1000™ to the CM2000™ System. Trial features may be activated for testing.
CM-Series™ Data Sharing	Test results, configurations and data may be shared between the EC-Series™ Handheld Analyzers and the CM-Series™ Continuous Monitoring (CM1000™ and CM2000™) Systems. Data from both systems are aggregated into one database (repository) for easy access. Since data from both Systems are interoperable, switching back and forth or upgrading to Continuous Monitoring is seamless at any site or across your entire organization.
Local and Remote (Enterprise) Database Setup Options	Local and remote (Enterprise) database setup options. Switch between local and remote database at the click of a button. Access your remote database through any internet connection. Multiple users may access the same database simultaneously. Users may setup and configure multiple remote or local databases. Sync to the Cloud and / or use our Oracle®-based Enterprise feature at no additional cost. Our Oracle® Enterprise Appliance is compatible with SAP® Crystal Reports.



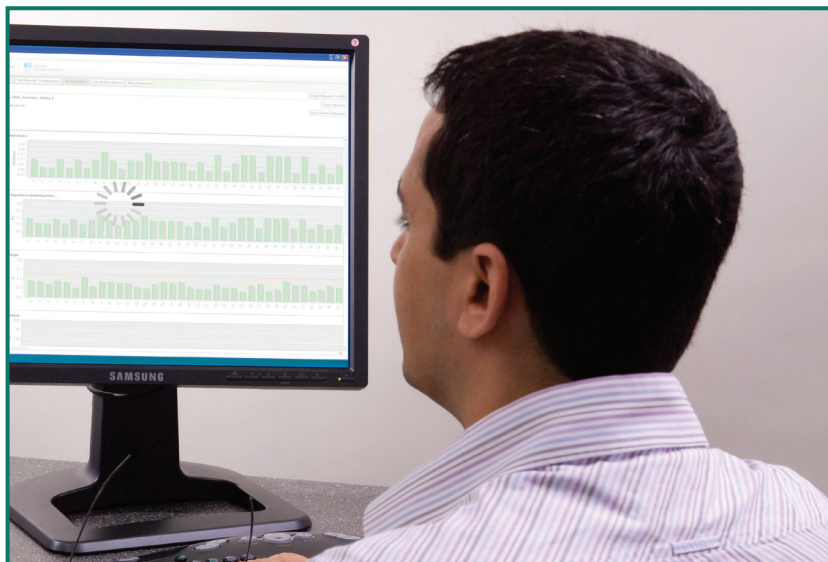
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# IBMS™ (Intelligent Battery Management System)

## IBMS (Intelligent Battery Management System) - Software Product Brief

**BATTERY TEST** → **REPORTING** → **MANAGEMENT**

The EC-Series™ Analyzers and CM-Series™ Systems Combined With IBMS™ Enterprise Software is a Complete Battery Test and Management Solution



Review your entire inventory at a glance and immediately identify bad batteries or cells. Sort batteries by date and view any test parameter (All, Impedance, Voltage, Sulfation, Dryout).

SYSTEM REQUIREMENTS	
Processor	Intel Pentium 2.7 GHz or Similar
Operating System	Windows XP, Vista, 7 or 8
System Memory	2 GB RAM minimum (4 GB Recommended)
Hard Drive Space	200 GB Recommended
Other Drives	CD or DVD for installation (Not required if downloading thru Ethernet)
Display	1024 x 768 (1600 x 900 Recommended)

System Requirements are for a Laptop or PC used to run IBMS™. Hard drive size requirements will vary depending on users selection of Cloud-based storage or local option settings.

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Global Energy Innovations is a global, electrochemical diagnostic software and instrumentation company. Leading companies around the world are advancing their business in rapid battery test, reporting and management through the benefits of the EC1000™ and EC2000™.

Contact Global Energy Innovations or visit our website for more information.