

# SBS-6000 Battery Analyzer

Complete battery resistance testing kit meets all IEEE/NERC standards



The SBS-6000 analyzer is a powerful handheld storage battery tester. It is a multi-purpose resistance and voltage testing kit for batteries from 1.2 to 48 Vdc.

The SBS-6000 transmits test data through RS232 or RJ45 ports.

### Applications

- Telecommunications
- Utility
- UPS
- Battery manufacturing
- Industrial maintenance
- Critical power
- Data center

### Benefits

- Very large data storage capacity: more than 100,000 records
- Large 3.5" LCD color backlit display
- User-friendly and easy to navigate menu
- Meets IEEE and NERC maintenance recommendations for stationary battery systems

### Features

- Tests flooded lead-acid, VRLA & Ni-Cad batteries
- Voltage testing range is 0–60V for batteries from 1.2–48 Vdc
- Built-in rechargeable Li-Ion battery for approximately 5 hours run time
- Automatically measures and stores data through contact probes on the battery posts
- Software package for storing and analyzing results and creating reports



Battery resistance testing

### Specifications

Size and Weight	4.25"W x 1.97"D x 7.5"H; 2.2 lbs.
Storage	100,000 records
Ah Measurement Range	5 – 6000Ah, 0 to 60 Vdc
Voltage Measurement	Resolution: 0.001V Accuracy: ±0.1%
Resistance Measurement	Range: 1 mΩ to 400Ω Resolution: 0.001 mΩ Accuracy: ±1.0%
Display	3.5" LCD color, 320 x 240 backlit screen
User Programmable	Alarms, Setpoints
Communication Interface	RS232 serial or RJ45 Ethernet cable
Software	Battery Manager 6000
Software Format	Windows XP/7
Built-in Battery	Rechargeable Li-Ion battery
Operation Time	More than 5 hours
Operation Temperature	–14° F to 122° F

### Functions

- Communicates through RS232 or RJ45 ports
- Storage battery resistance testing: automatically switches within the test range 1 mΩ to 400 mΩ and resistance measurement resolution reaches 1 mΩ
- Resistance test each connection in under 5 seconds
- Internally stores up to 100,000 parameters
- Test results are compared to user-defined alarm setpoint values
- Generates and displays the battery string's single cell test report and comparison data
- On-screen pass / warning / fail indication during testing



Built-in handle/stand



### SBS-6000 Includes

- Main unit
- 4 point pin probes
- Clamp probes
- Li-Ion battery & charger
- Heavy duty carrying case
- RJ45 and RS232 cables
- Instruction manual
- Battery Manager 6000 software



4 Point Pin Probes



Clamp Probes

## Hydrometer/Resistance Tester Package

### Easy Data Management & Storage

When combined with our SBS-2003 hydrometer, the SBS-6000 provides an all-in-one solution for your battery testing needs. See the SBS-2003 data sheet for more information.

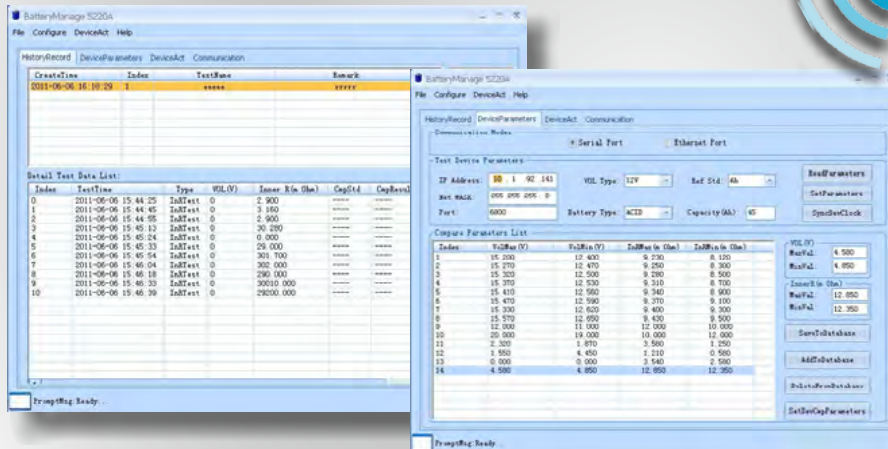


SBS-2003 Hydrometer

SBS-6000 Battery Analyzer

### Battery Manager 6000 Software

- Analyzes battery function and efficiency
- Interface for loading string and alarm data to and from tester
- Direct export into Excel format for easy incorporation into custom reports
- Separate data archives for cell, battery, and intercell connector resistance records
- Self interpretation of data for clear, concise comparisons



Track changes in battery resistance and battery deterioration trend

### Ordering Information

Part No.	Description
SBS-6000	Complete battery resistance testing kit

### Accessory Ordering Information

Part No.	Description
6000-CLAMP-PROBE	Extra clamp probe leads
6000-PIN-PROBE	Extra 4 point pin probe leads
6000-PIN	Replacement pin for 6000-PIN-PROBE leads
6000-BATT	Spare Li-Ion battery for SBS-6000