

# SBS-6500 Battery Resistance Tester

Assists with IEEE/NERC Compliance

The SBS-6500 is a multipurpose resistance and voltage tester. Readings of cells and intercell connectors are taken within seconds using the included pin probes (or optional clamp probes). The SBS-6500 can be programmed with site names, battery details and pass/warning/fail alarm set points for resistance measurements (pass/fail for voltage). All data is retained in the meter's internal memory for easy on-site access. With a computer and the included software, the SBS-6500 generates custom graphical reports for historical trending and comparisons.

The SBS-6500 pairs with our SBS-2003 digital hydrometer to import specific gravity readings from the SBS-2003 into the SBS-6500. With this data merge, the SBS-6500 will store and generate reports with voltage, resistance, temperature and gravity readings.

Contains  
Data logger,  
SG Bluetooth  
Upload and  
USB PC  
Integration  
Software



## Benefits

- Quickly records and stores resistance, voltage and temperature of strings, cells and intercell connectors
- Instantly retests and recalls readings on-site
- Pin probe or clamp probe compatible
- User-friendly software and easy-to-navigate menu
- Convenient battery string and parameter set up via unit or software
- Organizes data by name and parameters for each battery string (up to 300 strings)
- Optional ability to download specific gravity readings wirelessly from SBS-2003 hydrometer
- Meets IEEE and NERC maintenance recommendations for stationary battery systems

## Data Storage:

300 battery strings  
x 250 cells per string x  
4 tests per year over a  
period of 25 years =  
7.5 million records

## Applications

- Telecom
- Utility
- Oil and Gas
- Solar/Photovoltaic
- UPS
- Emergency Lighting
- Railways

## Functions

- Tests and records resistance, voltage and temperature readings of cells and intercell connectors
- On-screen pass/warning/fail indication during testing based on set parameters
- Stores and displays all historical data on handheld unit
- Communicates with computer and software via USB port
- Generates and displays battery string's test report and comparison data



## Features

- Versatile: tests flooded lead acid, VRLA, NiCd, Li-ion and NiMH batteries and strings
- Automatically measures and stores data within seconds
- Voltage testing range of 0-100 Vdc
- IEC 6101-1 CAT II 300V Safety Standard
- Built-in NiMH battery with unit charging cord
- Large 3.8" LCD backlit display

## Specifications

Size and Weight	4.2" W x 2.2" D x 8.3" H; 2.6 lb.
Storage	7,500,000 records
Ah Measurement Range	5-6000 Ah, 0-100 Vdc
Voltage Measurement	Resolution: 0.001V Accuracy: ±0.1%
Resistance Measurement	Range: 1 mΩ to 400Ω Resolution: 0.001 mΩ Accuracy: ±1.0%
Display	3.8" LCD, 320 x 240 backlit screen
Communication Interface	USB, Bluetooth w/ SBS-2003
Software	SBS-6500 Battery Management Software
Software Format	MS Windows
Power Supply	Rechargeable NiMH battery pack
Operation Time	8 hours
Operation Temperature	14° to 122° F



Video available at [www.sbsbattery.com/videos](http://www.sbsbattery.com/videos)

## Hydrometer & Resistance Tester Data Merge

When combined with our SBS-2003 hydrometer, the SBS-6500 provides an all-in-one solution for your battery testing needs. The hydrometer downloads specific gravity data directly into the SBS-6500 for viewing or reporting. When a report is created with the SBS-6500 software, correlating voltage, temperature, resistance and specific gravity data readings will be together in a single report.



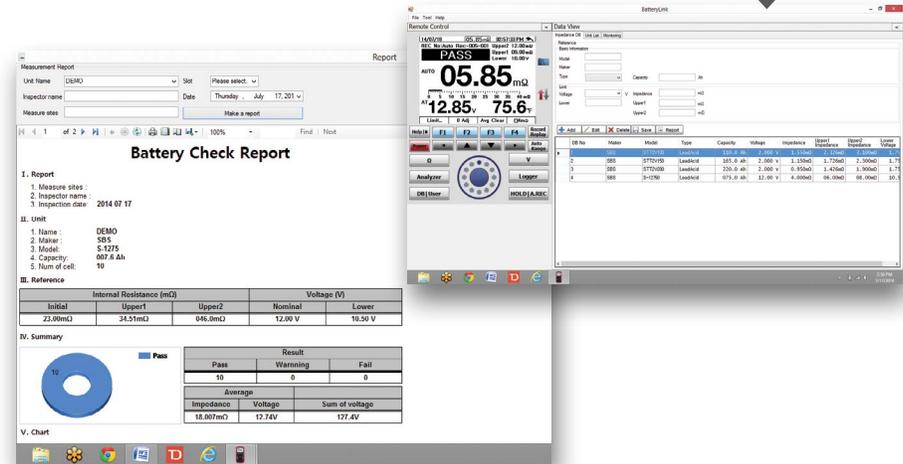
SBS-2003  
Hydrometer



SBS-6500  
Resistance Tester

## Battery Management Software (Included)

- Interface for loading string and alarm data to and from tester
- Exports into Excel and PDF formats for easy incorporation into custom reports
- Creates graphs and reports for battery analysis and trending



## SBS-6500 Includes

- Main unit
- Pin probes
- Instruction manual
- Quick start guide
- Software
- USB cable
- Unit charging cable
- NiMH battery
- Calibration bar
- Adjustable carrying strap
- Carrying case



Clamp Probes (optional)  
P/N 6500-CLAMP-PROBE



## Ordering Information

Part No.	Description
SBS-6500	Battery resistance tester

## Accessory Ordering Information

Part No.	Description
SBS-2003	Specific gravity tester
6500-CLAMP-PROBE	Clamp probe leads
6500-PIN-PROBE	Replacement pin probe leads
6500-PIN	Replacement pin set for 6500-PIN-PROBES
6500-BATT	Spare NiMH battery for SBS-6500