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

Features
▶ Tests flooded lead–acid, VRLA & Ni–Cad batteries
▶ Voltage testing range is 0–60V for batteries from 1.2–48 Vdc
▶ Large 3.5" LCD color backlit display
▶ Built–in rechargeable Li–ion battery for approximately 5 hours run time
▶ Very large data storage capacity: more than 100,000 records
▶ Meets IEEE and NERC maintenance recommendations for stationary battery systems
▶ Automatically measures and stores data through contact probes on the battery posts
▶ User–friendly and easy to navigate menu
▶ Software package for storing and analyzing results and creating reports

Functions
▶ Support communications 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 10,000 groups of battery 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
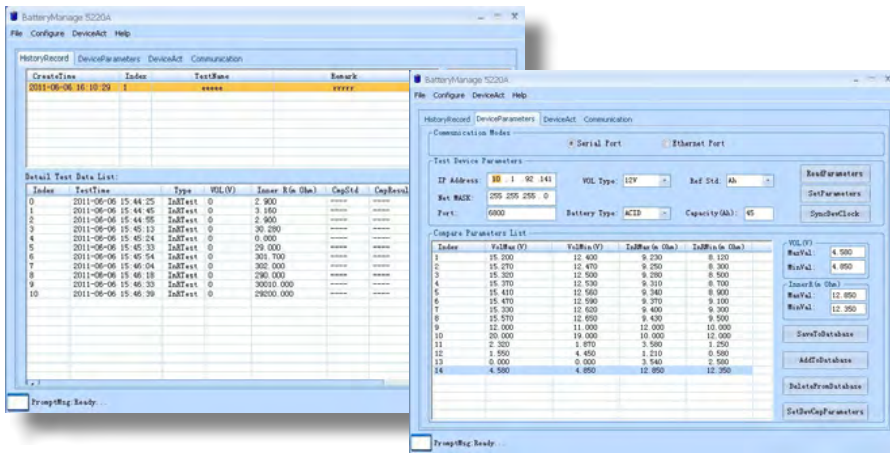▶ On–screen pass / warning / fail indication during testing

Ordering Information

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

Accessory Ordering Information

Part No.	Description
AdapterRS232	RS232 to USB adapter

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 – 6000 Ah, 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

Pin probe connector

RJ45 connector

INTERNAL RESISTANCE TESTER

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SBS–6000

Battery Manager Software

4 Point Pin Probe

RJ45 Cable

RS232 Cable

Clamp Probe

SBS–6000 Includes
‣ 4 point pin probe set
‣ Clamp probe set
‣ Battery Manager 6000 software
‣ Li–Ion battery & charger
‣ Heavy duty carrying case
‣ RJ45 and RS232 cables
‣ Instruction manual

Track changes in battery resistance and battery deterioration trend

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

Battery resistance testing