

SBS-200CT Battery Discharge Cycle Tester

Battery Discharge and Charge Cycle Testing with Individual Cell Monitoring Capabilities



The SBS-200CT is a discharge cycler for battery testing and battery rejuvenation. The voltage range of 24–96 Vdc covers many types of traction batteries including: stationary, forklifts, automobile, golf cart, train, wheel chair, etc. When equipped with an industrial charger (sold separately), the SBS-200CT can provide an unmanned discharge/cycling solution to help increase battery capacity. The unit includes wireless modules for individual cell readings and software to generate detailed reports.

Features

- Wide voltage and current range from 24–96 Vdc / 0–200 Amps
- 5.7 in. LCD touch screen
- 30 parameter presets with stop/alarm points that can be adjusted during testing
- 4 adjustable stop points and multiple alarm designs to control the discharge process intelligently
- Wireless modules that measure and record individual cell voltages during testing
- View test data in real time on screen or with computer via RS232
- Download data after discharge to USB drive
- Computer software for capacity evaluation and report generation

Benefits

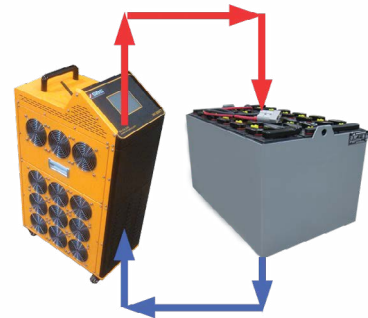
- Automatically run multiple discharge/charge cycles unmanned
- Increase run time in sulfated batteries
- Bring capacity back into warranty or scrap batteries
- Extend battery service life
- Quickly identify problematic cells with wireless modules
- Generate custom reports for trending, records and reporting
- Automatically protects and saves data from an unexpected test stop/end



Computer Analysis Software

- User friendly and easy to navigate
- Data downloading and analyzing through real-time communication or USB memory devices
- Software interface includes: battery voltages curve and bar chart, battery resistances bar chart, group voltage curve, current curve, capacities histogram, data form, etc.
- Generate custom and detailed Excel reports with USB and software

Standalone Discharge



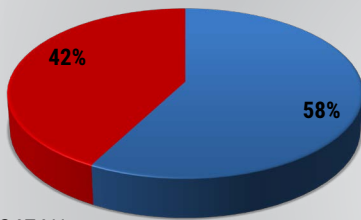
Or, use with any charger to automatically cycle the battery:

Cycle



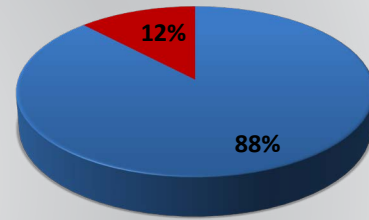
Automatically cycle through multiple charges and discharges of the batteries while recording individual cell data.

Initial Capacity Before Cycling



Actual 347AH
Lost Capacity 253AH

Capacity after 4 Cycles



Actual 527AH
Lost Capacity 73AH

50% Capacity Increase*
*Example from actual data. Results may vary.

Nominal Capacity	Actual Capacity	Capacity Percentage
600 Ah	347 Ah	57.83%

Nominal Capacity	Actual Capacity	Capacity Percentage
600 Ah	527 Ah	87.83%



Wireless Modules

- Wireless modules included for collection of individual cell voltage data during testing
- Advanced technology that wirelessly communicates readings between modules and load bank
- Includes 1.2/2V wireless modules; 2/6/12V wireless modules available separately
- One module supports voltage measurement for 4 cells
- Easily locate failed cells in battery and estimate actual capacity of each cell



Portable case included

Includes

- Main unit
- Instruction manual
- Wireless 1.2/2V modules (qty. 10 +1 spare)
- Computer analysis software
- DC test (power) cables
- 3 ft. AC power cable
- RS232 wire
- Carrying case with wheels

Test Range

Battery Nominal Voltage	Max. Discharge Current
24 V	180A
36/48 V	200A
72/80/96 V	200A

Ordering Information

Part No.	Description
SBS-200CT	Battery discharge and capacity tester

Accessory Ordering Information

Part No.	Description
BCT110/220 - 1000	1000 Watt Voltage Transformer 110/220 Vac 50/60 Hz
MODULE-2/6/12-15	2/6/12 Wireless module kit w/ case Qty. 15 (+2 spare)*

Specifications

DC Volt Range	24-96 Vdc
DC Current Range	24 Vdc: 0-180 Amps 36-96 Vdc: 0-200 Amps
Accuracy and Resolution	±0.5%, 0.1 Amp
Display	5.7" LCD Color Touch Screen
AC Power Supply	120 Vac, 50/60 Hz
Communications Port	USB / RS232
Internal Memory	8MB Flash
Main Tester Size	11.6 x 19.8 x 40 in.
Carrying Case Size	12.4 x 20.6 x 40.4 in.
Weight	121 lb. (main tester only) 220 lb. (tester, accessories, case)

For additional specifications and model details, please contact a Storage Battery Systems representative.