

SBS-4815CT Battery Capacity Tester with Monitoring

24/48 Vdc, 0-150 Amp Constant Current Load Bank with Individual Cell Monitoring



Applications

- Telecom
- Forklifts, Golf Carts & AGVs
- Power Plants
- Oil Companies

The SBS-4815CT is a fully programmable and portable constant current load bank with detailed data acquisition and display capabilities.

Built-in memory continuously records discharge data including: overall system voltage, current and individual cell voltages (when modules are installed).

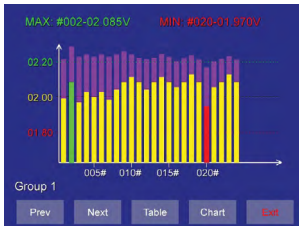
Benefits

- Can be powered from DC or AC power supply
- Weighs only 21 lb.; designed for portability
- Can be slaved with other load banks of the same voltage to increase discharge current



Features

- Voltage and current range: 20-60 Vdc / 0-150 Amps
- 5.7" LCD touch screen
- 4 adjustable stop points and multiple alarm designs to control the 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



Data		Memory 78%	
DataFile	01/08	Type	Discharge
Capacity	0500AH	TestCurr	125.0A
TestCap	400AH	TestTime	03H10M
BattLow	01.80V	GroupLow	043.5V
BattSum	024#	GroupSum	002G
StopType	BattLow		

Internal Memory

- Automatically protects and saves data from an unexpected test stop/end
- Menu interface provides data management operations for parameter settings, test results review, and download by RS232 or USB device to the computer software

Analytical Software

- Powerful analytical software calculates test results and reports cell/battery conditions and capacity
- Software interface displays detailed graphs and charts
- Ability to export raw data into customized Excel reports





Wireless Modules

- Included for collection of cell voltage data during testing
- Advanced technology that wirelessly communicates readings between modules and load bank
- For 2/6/12V batteries
- One module supports voltage measurements for up to 4 cells
- Easily locate failed cells in battery and estimate actual capacity of each cell



Includes

- Main unit
- Instruction manual
- Wireless 2/6/12 Volt modules (qty. 6 +1 spare)
- Computer analysis software
- DC test (power) cables
- 3 ft. AC power cable
- RS232 wire
- Carrying case with wheels

Discharge Protection

Stop Point	Setting Range
Low System Voltage	0-60.0V
Discharge Time	0-99 Hour 99 Min.
Discharge Capacity	0-9999 Ah
Cell Low Voltage	0-15.00V

Alerts

Malfunction	LCD Prompt	Warning Beep
Input Over Voltage	✓	✓
Reverse Polarity	✓	✓
Overload	✓	✓
Overheat	✓	✓

Parallel Operation

The SBS-4815CT has a 0-150 Amp current range; however it is possible to parallel additional load banks of the same voltage range with the SBS-4815CT to increase current draw.

With the optional P/N 8400-600A DC clamp the user can discharge up to 750 Amps and the SBS-4815CT will monitor the total DC current being drawn by up to three load banks in parallel.

Ordering Information

Part No.	Description
SBS-4815CT	Battery discharge and capacity tester

Accessory Ordering Information

Part No.	Description
8400-600A	600 DC Current Clamp
SLAVE-CAB-8400>8400	Paralleling Cable, SBS-4815 to SBS-4815/8400
SLAVE-CAB-8400>S	Paralleling Cable, SBS-4815 to S-Series
SLAVE-CAB-8400>(2)S	Paralleling Cable, SBS-4815 to (2)S-Series
BCT110/220-1000	750 Watt Voltage Transformer 110/220 Vac 50/60 Hz
Pelican case upgrade available	

Specifications

DC Volt Range	20-60 Vdc
DC Current Range	20-40 Vdc: 0-75 Amps 40-60 Vdc: 0-150 Amps
Accuracy & Resolution	±0.5%, 0.1 Amp
Display	5.7" LCD Color Touch Screen
DC Power Supply	20-60V
AC Power Supply	120 Vac, 50/60 Hz
Communications Port	USB / RS232
Internal Memory	8MB Flash
Main Tester Size	16.25 x 9.0 x 9.0 in.
Carrying Case Size	20.5 x 19.7 x 15 in.
Weight	21 lb. (main tester only) 62 lb. (tester, accessories, case)