

SBS-4815CT Battery Capacity Tester with Monitoring

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



Applications

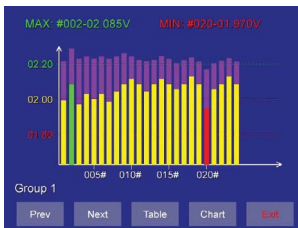
- Telecom
- Forklifts, Golf Carts & AGVs
- Power Plants
- Oil Companies

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 76%	
DataFile	01/08	Type	Discharge
		Capacity	0500AH
2008-11-18 11:19:00		TestCurr	125.0A
2008-11-18 11:23:10		TestCap	400AH
2008-11-18 11:24:45		TestTime	03H10M
2008-11-18 11:25:32		BattLow	01.80V
2008-11-18 11:27:48		GroupLow	043.5V
2008-11-18 11:34:02		BattSum	024#
2008-11-18 11:50:41		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)