

# Constant Current DC Load Banks

For discharge testing 24 – 250 Vdc battery systems

The only way to know if your stationary batteries will perform to specification is to test them regularly.

NERC standard PRC-005-2 requires that Vented Lead-Acid and Nickel Cadmium systems be discharge tested every six years and Valve Regulated Lead-Acid (VRLA) batteries be tested every three years. IEEE recommends load testing stationary flooded/vented lead-acid and Ni-Cad stationary batteries every 5 years and VRLA batteries every 12-18 months.

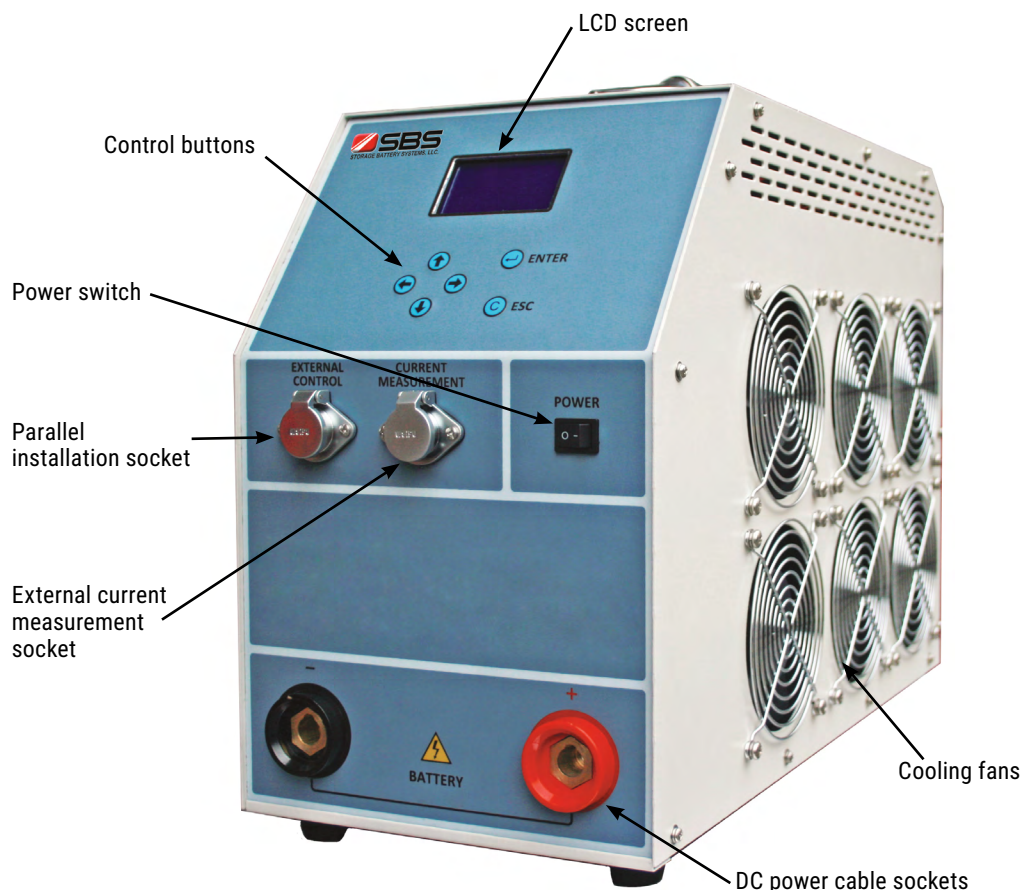
The SBS constant current load banks are an affordable way to perform easy and accurate IEEE450 (Vented Lead-Acid), IEEE1106 (Ni-Cad) and IEEE1188 (VRLA) load tests.

These units are quick and easy to set up. They display the voltage, current and Ah removed during the test. Since this is a constant current load bank, the user also does not have to constantly adjust the current during the test like many other load banks.

These load banks come standard with multiple auto-stop settings and built-in protection to ensure that the batteries are never damaged due to over discharge.

## Features

- Constant current load bank holds the current set throughout the test
- LED screen displays real time voltage, discharge current and Ah removed
- Units can be paralleled with the SBS-8400 or other load banks
- Easily adjust settings electronically
- 3 adjustable stop points
  - End system voltage
  - Discharge time
  - Discharge capacity (Ah)



SBS-4830S

## Built-in Protection

- Audible alarm
- Warning on LED screen
- High temperature shutdown
- High voltage shutdown
- Over load protection



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

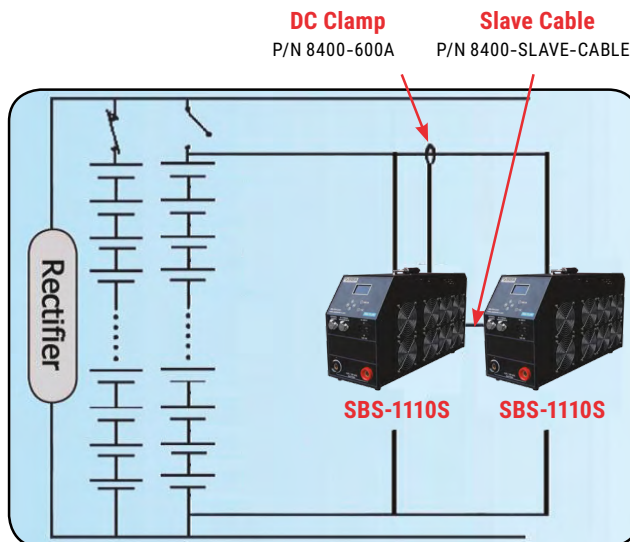


SBS-1110S



### Includes

- Main unit
- Carrying case with wheels
- 9 ft. DC cables
- Instruction manual



A load bank can be paralleled with another load bank (of the same unit, or the SBS-8400) to increase draw up to 720Amps. Optional 600Amp DC clamp is required for monitoring.

### Ordering Information

Part No.	Description
SBS-4830S	24 Vdc 0-150 Amp / 48 Vdc 0-300 Amp Constant Current Load Bank
SBS-1110S	125 Vdc 0-100 Amp Constant Current Load Bank
SBS-1230S	125 Vdc 0-300 Amp Constant Current Load Bank
SBS-2206S	250 Vdc 0-60 Amp Constant Current Load Bank
SBS-2415S	250 Vdc 0-150 Amp Constant Current Load Bank

### Accessory Ordering Information

Part No.	Description
8400-600A	600 DC Current Clamp
8400-SLAVE-CABLE	For operating in parallel with load banks of same voltage range
BCT110/220-750	750 Watt Voltage Transformer 110/220 Vac 50/60 Hz

### Technical Data

Display	LCD (128 x 64 pixels)
Input	During discharge: real time voltage / current / test time / Ah discharged User can set: end system voltage / test time / capacity discharged (Ah)
Test Type	Unit controls the current so it stays where it is set throughout the test
Protection	Over heat / Over load / Over voltage protection with audible alarm and screen warning
Power Supply	SBS-4830S uses DC power supply (from tested battery) 125 and 250 Vdc units use AC power supply (110 Vac 60 Hz)
DC Cables	Included - 9 ft. long

### Specifications

Part No.	DC Voltage Range	DC Current Range (Amps)	Dimensions L x W x H (in.)	Weight (lbs.)
SBS-4830S	20-40 Vdc 40-60 Vdc	0-150A 0-300A	26 x 9 x 16	40
SBS-1110S	90-150 Vdc	0-100A	25 x 9 x 15	44
SBS-1230S	90-150 Vdc	0-300A	36 x 9 x 25	110
SBS-2206S	190-265 Vdc	0-60A	26 x 9 x 16	40
SBS-2415S	196-300 Vdc	0-150A	36 x 9 x 25	110