

# SBS-8400 Battery Capacity Tester with Monitoring

10-300 Vdc, 0-120 Adc Constant Current Load Bank with Wireless Data Logging



The SBS-8400 was designed as an improved version of the popular Torkel 840™ load tester. The SBS-8400 has similar discharging capabilities as the Torkel 840™, however it has the advantage of having a user-friendly touch screen menu and a built-in data monitoring/acquisition system complete with wireless modules and software.

The wireless modules are easy to hook up. Each module can record the real-time voltage of up to four individual cells or multi-cell blocks. During the test the user can view real-time data on the unit's large 5.7" color screen or through their own laptop.

The SBS-8400 is also unique in that it has adjustable automatic stop points. In addition, if you want to change the settings during a discharge test (current, stop time, stop voltage, etc.) you can do so without stopping the test. The unit can be easily set to automatically stop the test if a single cell or the entire string falls below a user set voltage. A test can be done safely without the technician being on site and without the danger of over-discharging an individual cell or the entire system. The unit comes complete with software which allows the download of test results via USB flash drive and exports complete reports including individual cell voltages, graphs, etc.

### SBS-8400 Includes

- ▶ Main unit
- ▶ Qty. 17 SBS-2/6/12 Modules
- ▶ Qty. 2 6 ft. cables—pos/neg
- ▶ 3 ft. AC cable (and transformer)
- ▶ RS232 wire
- ▶ 2GB USB disk
- ▶ Case for main unit and modules
- ▶ Software
- ▶ Instruction manual

### Features

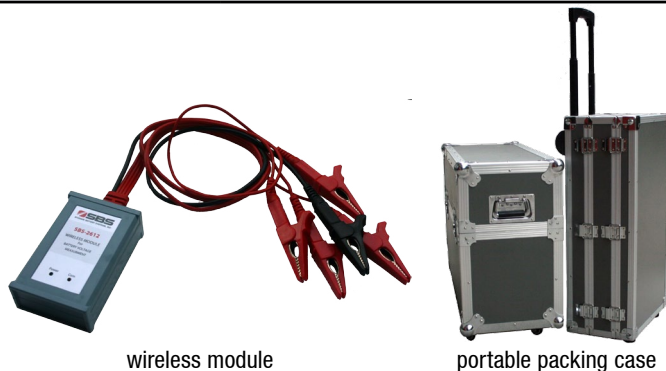
- ▶ Wide voltage range battery discharger: 12V to 280V
- ▶ 5.7 in. LCD touch screen for easy operation and showing various parameters real time
- ▶ Selectable discharge mode: constant current / power / resistance
- ▶ 4 adjustable stop points and multiple alarm designs to control the discharge process intelligently
- ▶ Support RS232 real time monitoring by PC or USB download data after discharge
- ▶ PC software for capacity evaluation and report generation
- ▶ Optional wireless modules for 1.2V/2V/6V/12V cells voltage real-time measuring

Specifications	
DC Volt Range	10-300 Vdc
DC Current Range	10-15 / 19-300 Vdc: 0 - 60 Amps
	15-150 Vdc: 0 - 120 Amps
Cell Volt Range	0-15 Volts
Accuracy & Resolution	±1.0%, 0.1 Amp
Display	5.7" LCD Color Touch Screen
Power Supply	110/220 Vac, 50/60 Hz
Power Consumption	350 Watts (max.)
Communications Port	USB / RS232
Internal Memory	8MB Flash
Size (main unit)	9.1" x 14.6" x 26.4" — 53 lbs.
Size (with case/acc.)	11.1" x 25.2" x 29.6" — 93 lbs.

Ordering Information	
Part No.	Description
SBS-8400	0-300 Vdc 0-120 Adc load bank

Accessory Ordering Information	
Part No.	Description
8400-600A	600 Adc current clamp
SBS-2/6/12	Wireless module for SBS-8400 - for 4 2V, 6V or 12V batteries
SBS-1.2/2	Wireless module for SBS-8400 - for 4 1.2V or 2V cells

Multiple Adjustable Stop Points	
Group Low Voltage	0-250.0 Vdc
Discharge Time	0-99 Hour 99 Min
Discharge Capacity	0-9999 Ah
Cell Low Voltage	0-15.00 V



wireless module

portable packing case

**SBS-8400 CAPACITY TESTER**