

BTS SERIES

BATTERY TEST SYSTEM Cells, Packs and Modules



- » Power ranges from 10W to 250kW
- » For batteries and ultracapacitors with EV, HEV and PHEV applications
- » Test system sizes available for cells, packs and modules
- » Additional I/O available for temperature and pressure monitoring
- » Remote monitoring option
- » Environmental chamber integration option
- » AC impedance and current interrupt diagnostic tools option
- » Coolant module option
- » Includes intelligent Automation Language with Script Writer and Automated Load Cycle Importer
- » Data Explorer™ post-processing option



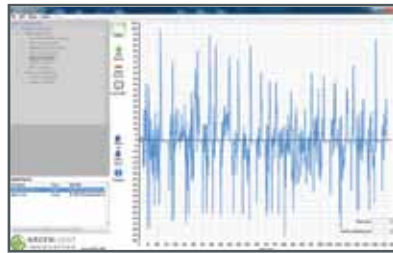
BTS Series Features

- » Fully automated, 24/7 operation
- » Drive cycle capable
- » Real time and off-line data management and analysis
- » Remote access with email alarm notification

Greenlight's BTS series test stations are highly accurate, stable and repeatable R&D units for testing single cell batteries up to full sized battery packs. Test stations with air or liquid cooled resistive loads are fully contained in a single enclosure housing the load bank, CPU, recharge power supply, monitor and air cooling systems.

Each BTS unit comes with Emerald™ battery test control software, capable of fully automated testing, remote monitoring and remote control. Emerald Automation language with Load Cycle Importer software allows users to translate standard or user-generated load cycle test data directly into automated test scripts.

Load Cycle Importer Graph:



Script Writer Graph:



Performance Commitment:

At Greenlight, we pride ourselves on making the world's best battery testing equipment. We are committed to your satisfaction and we will do whatever it takes to meet or exceed your expectations.

Includes 3 levels of safety:

1. Hard-wired interlocks with manual emergency stop
2. Factory software interlocks
3. User-configurable software interlocks (warning high/low alarms and shut-down high/low alarms)

Optional:

- » Gas detection
- » Flame detection
- » Fire suppression

Specifications

POWER RANGE	100W - 250kW
LOAD BANK	Liquid cooled, air cooled, back-to-grid, multi-channel capability
POWER SUPPLY	100W to 250kW
SOFTWARE	Emerald Battery Test Software <ul style="list-style-type: none"> • Automation Language included • Script Writer included • Data Explorer option • Data Importer option • Remote monitoring and control option
MONITOR	21" LCD
ENVIRONMENTAL CHAMBER	Optional; temperature, pressure and humidity control
ADDITIONAL I/O	Optional; temperature and pressure monitoring, data acquisition
LIQUID CELL COOLING	Optional; up to 600 lpm
CELL VOLTAGE MONITOR	Optional; 1000VDC common mode voltage, +/- 5V per cell, +/- 1mV accuracy, 1000Hz burst mode data acquisition

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