

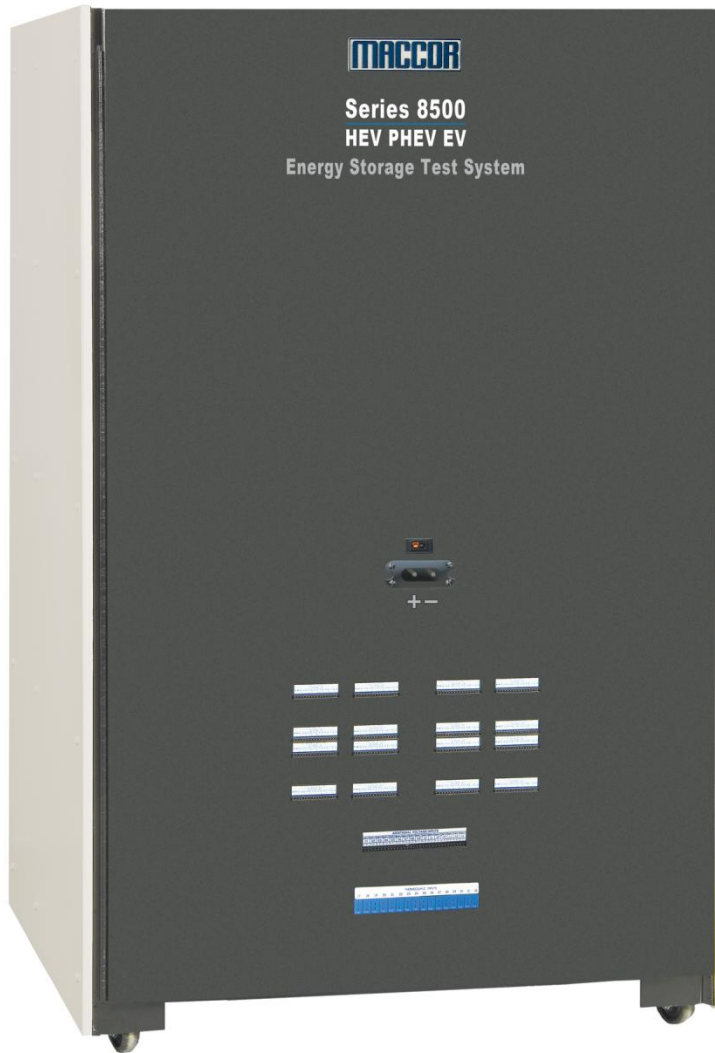
# MACCOR

BATTERY & CELL TEST EQUIPMENT WORLD WIDE

## SERIES 8500

### HEV PHEV EV

## AUTOMATED TEST SYSTEM



The multifunction Series 8500 HEV PHEV EV Energy Storage Test System is a fully automated test system providing high-level specifications.

With channel ratings to **500 Volts and 1000 Amps and beyond**, the Series 8500 is the perfect instrument in your toolbox for high power applications. Using Maccor's Standard Full Feature Battery Test Software, the Series 8500 is the most powerful test system you will own. Perform virtually any type of test (FUDS, SFUDS, DST, etc) on any type of energy storage device

(batteries, battery packs, super-capacitors, fuel cells, etc.). The Series 8500 comes standard with the high level accuracy, resolution, and dependability satisfied Maccor customers expect.

# *With B<sub>2</sub>G technology, battery energy is recycled to the AC grid in Discharge.*

## FEATURES:

- Test channels operate independently of the other positions
- Easily programmable to run a wide range of multiple step tests
- Operate in steps in any combination of fixed current, power, voltage, or resistance
- Record data at operator specified intervals of time, voltage, current, etc.
- Delivered calibrated to NIST traceable standards, and requires calibration only once per year
- Automatic scaling of W/kg for FUDS, SFUDS, DST, and other driving simulation test protocols
- Capability for Importing Test Step Table: Allows an ASCII text file containing a table (list) of constant current or power values at fixed or specified intervals to be executed as a test step. The values in the table can be automatically scaled for W/kg or C rate.
- CAN, I2C, SMBus capability.

The Series 8500 is supplied as a complete turnkey system consisting of a test cabinet(s), computer, tester software, and data analysis software. The test cabinet, with a distributed architecture, is connected to the tester PC via an Ethernet communications network.

## Specifications

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### Current and Voltage

Charge/Discharge	25% to 100% Full Scale
Measurement Accuracy	±0.1%
Control Accuracy	±0.5%
Resolution	16-bit (1 part in 65,536)

### Time

Minimum Step Time	50 mS
Control, Measurement, and Adjustment	every 50 mS



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