

MACCOR

BATTERY & CELL TEST EQUIPMENT WORLD WIDE

High Volume Cyclers



192 Position Model 4600

The multifunction series 4600's (Models 4600 and 4650) secondary cell test systems have been engineered to provide high capabilities for large scale single cell testing. Each test position:

- Operates independently of the other positions
- Can be user programmed to run a wide range of multi step tests,
- Can be user programmed to operate in steps of constant current, constant power, constant voltage, or constant resistance
- Is delivered calibrated to NIST traceable standards, and requires calibration only once per year

The Series 4600 is supplied as a complete turnkey system with PC computer and software. Each system is available from a 32 position desktop model to large test and quality control models with thousands of test positions. Desktop models are usually available from stock.

Powered by Maccor's standard battery testing software and utilizing the same technology found in Maccor's high precision Series 4000 laboratory test systems, the Series 4600's are ideal for today's testing standards. During the test, data is recorded at operator specified intervals. At any time during the test data can be viewed or plotted. The software can be configured to automatically add key test data to Maccor's MIMS database. Additionally, custom data handling interfaces or user interfaces can be purchased.

The Model 4600 has a Phoenix connector interface with horizontal cell configuration providing a dense and compact configuration. Each cabinet (standard 19" rack) can have up to 192 test positions. The Model 4600 is also available in a desktop cabinet with 32-test positions.

The Model 4650 has a Powerpole® interface with vertical cell configuration. The 4650 has a slightly larger footprint than the 4600, each cabinet can be configured with as many as 256 test positions.

For production and quality control systems, test positions can be accessed remotely with a PC over a wireless network interface allowing the operator to view, start, and stop tests directly at the cell interface. For more information contact Maccor's Sales Department.

Specifications

| | |
|--------------------------------------|---|
| Current Range | 2500 mA Full Scale ± 2.5 mA |
| Voltage | |
| Measurement Range | 0 – 5 volts ± 5 mV |
| Minimum Discharge | 0.2 volts or 0.35 x Current, whichever is greater |
| Modes of Operation | |
| Constant Current | |
| Constant Power | |
| Constant Resistance | |
| Constant Voltage | |
| Time | |
| Minimum Step Time | 500 mS |
| Control, Measurement, and Adjustment | every 50 mS |

Options

| | |
|---|------------------------------|
| Cell Holders | |
| Molded True 4-Wire Kelvin Cell Holders | AAA, AA, C, D, 9V, and 18650 |
| Universal Button Cell Holders | |
| Spring Loaded Binding Posts | |
| Cables | |
| Contact Maccor's Sales Department for Length and Terminations | |
| Uninterruptible Power Supply | |
| Calibration and Maintenance Service | |



32 Position Desktop Model 4600 desktop

MACCOR

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