CV

Automotive & Industrial Cycle Testing System

BITRODE

PARTNER IN POWER

Applications

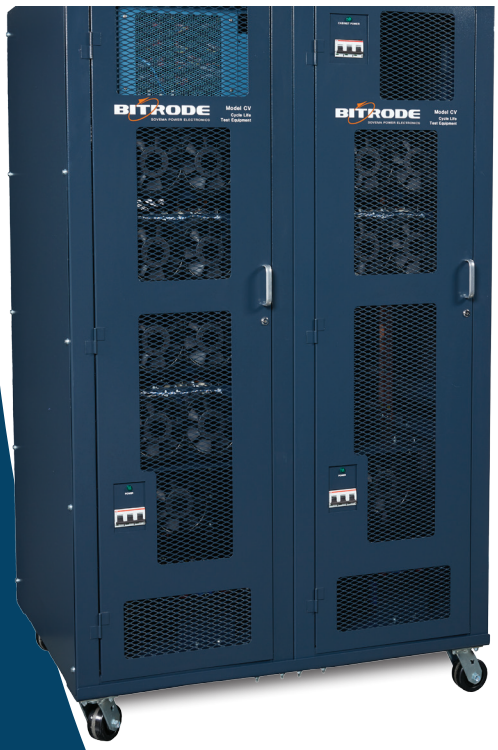
- Reserve Capacity Testing: Perform a constant current discharge to see how long a useful voltage can be maintained on the battery
- Charge Acceptance Testing
- Life Cycle Testing: Perform charge/ discharge cycling of batteries or modules to obtain charge and discharge capacity, energy and DC internal resistance

Features & Benefits

The CV is Bitrode's economical life cycle test equipment for the network based line of battery laboratory equipment. Designed to work with VisualCN Lab Client software, the CV provides standard or fully customized charge, discharge and rest cycles for automotive and industrial batteries. The Model CV is also useful for reserve capacity and charge acceptance testing with recharge.

Additional features include:

- Configurations for testing to industry standards: IEC, SAE, BCI
- Test control and data management with Bitrode's VisualCN Lab Client software suite
- Constant current, power or voltage control
- Parallel circuit operation for greater flexibility in test specification
- Program execution is independent from the PC with VisualCN software
- Remote Binary Protocol via Ethernet connection available for 3rd party software control



General Specifications

Voltage:	5-18V
Current:	0-100A (1600A in parallel)
Accuracy:	±0.1% of FS*
Circuits:	up to 48
Data Sampling Rate:	up to 10mS

*Accuracy values are conservative assuming operation will be through the standard temperature range of 0-40° C and RH from 10-90% (non-condensing). Units calibrated and maintained in a temperature and humidity controlled environment can expect an accuracy of 0.02-0.05%FS.

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ISO 9001

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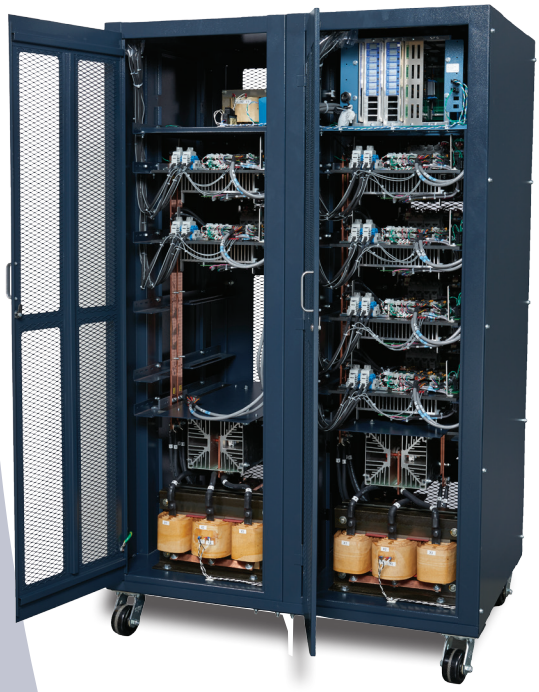
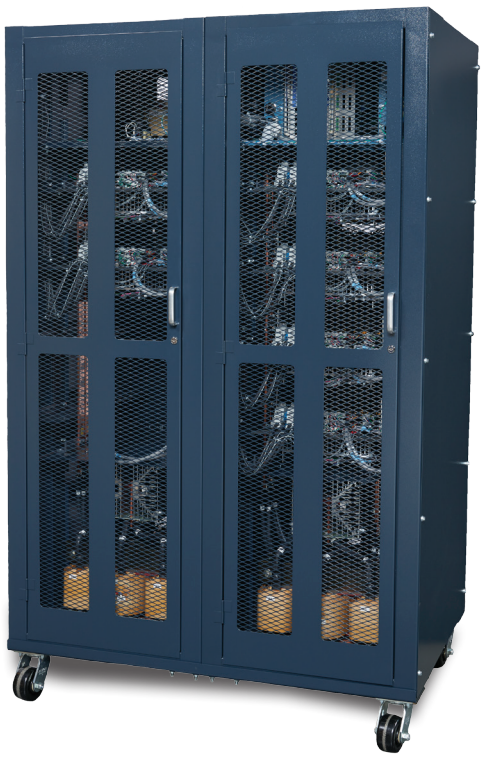
System Options

- Up to three current ranges per circuit
- Temperature, pressure, flow rate, and cell voltage monitoring
- Digital inputs and digital outputs with function assigned per individual program
- Expression-based program limit conditions
- Internal resistance calculation
- Ramp charge/discharge
- Temperature compensation adjusts voltage per battery temperature
- Constant resistance discharge
- Remote Input Output (RIO) box reduces excessive cable lengths when connecting to remote test stations
- Custom-designed test leads
- Drive Cycle Conversion utility automates test program development from acquired battery usage data





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