

RCN

Stand Alone Discharge
Testing System

BITRODE

PARTNER IN POWER

Features & Benefits

Bitrode's model RCN is a reserve capacity and discharge capacity testing system for automotive and industrial batteries. Each circuit operates from an isolated power supply, allowing modules of different ratings to be packaged in the same cabinet, and making it easy to remove a unit from a cabinet for use alone on the benchtop.

Additional features include:

- Local memory for up to 10 custom programs
- Units can perform the 20 hour capacity test for batteries up to 2000 ampere-hours
- Keypad entry for 5-step programs with user specified limit conditions
- Constant current or constant wattage testing for 6 and 12 volt batteries
- Battery backed memory for power failure protection of programs and data
- Temperature monitoring capability
- Multiple units can be housed in a roll-away cabinet
- Air cooled by rear-mounted fans

Applications

- Discharge testing
- Reserve Capacity Testing: Perform a constant current discharge to see how long a useful voltage can be maintained on the battery

General Specifications

Voltage:	5-120V
Current:	0-600A
Circuits:	up to 12
Data Sampling Rate:	1 sec



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2019 Bitrode Corp.™

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System Options

- Constant current or constant wattage testing for 24 and 36 volt batteries and single cells
- Test leads to custom lengths
- Power supply to allow discharge voltage down to 1.5 volts
- Copper test tips for tapered automotive type terminals in SAE, DIN, or JIS standards
- Brackets for mounting smaller units in roll-away electronics cabinets
- RTD temperature devices
- VisualCN™ software and Windows based network
- 25 ampere units have the BCI 25 ampere reserve capacity test pre-programmed
- 100 ampere units have the BCI 75 ampere electric vehicle discharge capacity test pre-programmed
- 25-600 ampere units can be built as bench-top models

General Configurations

The table below provides configurations for our most popular models. If your desired specifications are not listed, please contact us.

Model	Constant Current Amp Range	Discharge Voltage	Constant Wattage	Ampere Hour	Watt Hour
RCN25-12	25	15	375	999.99	9999.9
RCN50-12	50	15	750	999.99	9999.9
RCN100-12	100	15	1500	9999.9	99999
RCN200-12	200	15	3000	9999.9	99999
RCN300-12	300	15	4500	9999.9	99999
RCN400-12	400	15	6000	9999.9	99999
RCN500-12	500	15	7500	9999.9	99999
RCN600-12	600	15	9000	9999.9	99999
RCN25-24	25	30	750	999.99	9999
RCN50-24	50	30	1500	999.99	9999.9
RCN100-24	100	30	3000	9999.9	99999
RCN200-24	200	30	6000	9999.9	99999
RCN300-24	300.1	30	9000	9999.9	99999

*Specifications subject to change without notice.

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