

CRN

**Constant Current
Networked
Formation
Charger**

Highlights

Bitrode's model CRN is an excellent solution for container charging of multiple battery strings and tackless formation of automobile and industrial plates.



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Key Features

- Multiple circuits can easily be packaged in a single cabinet for container formation applications or single high current modules can be built for tank formation use
- Features modular construction and easy access front and rear panels for ease of maintenance and service
- Constant current and constant voltage controls
- Battery-backed local memory for reliable restart
- Operation via microcontroller and Bitrode's VisualLCN™ Formation Client Software
- Microprocessor control
- Silicon controlled rectifier design for constant control
- Modular construction and easy access front and rear panels
- Convection cooling for clean and quiet operation

Applications

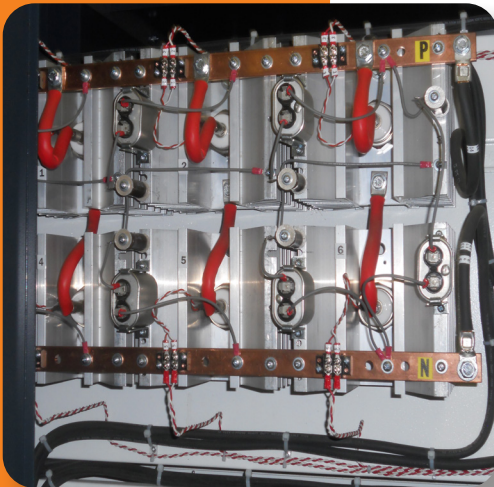
- Container charging of multiple battery strings
- Tackless formation of automotive and industrial plates
- Dry charge formation



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System Options

- STM thermal monitoring connections and probes for temperature setback control
- Current limited constant potential control: when the preset maximum voltage is reached, the current will taper to maintain the set voltage
- Ramp charge
- Remote start/stop
- Digital I/O
- Remote junction box for formation table connections
- Volts-per-cell profile creation allows user to develop a single charging program for use with different batter string lengths

General Specifications

Voltage:	500V
Current:	2-1000A
Circuits:	up to 24
Accuracy:	$\pm 1\%$ of FS
Data Sampling Rate:	1 sec
Input Power Supply:	3-phase, 50/60 Hz



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