

VCF- CR/CD

**High Voltage
Charge/Discharge
formation**

Highlights

Available in a wide range of currents and voltages, the VCF is an economical solution for high voltage formation of stationary and industrial VRLA batteries and tank formation of automotive and industrial plates.



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Key Features

- Multiple circuits can be packaged in a single cabinet for low cost applications
- In discharge, a three phase bridge discharges the DC energy back to the AC power line
- Charge only or Charge/Discharge Systems available
- Constant current, voltage, ampere-hour
- Silicon Controlled Rectifier (SCR) design for superior reliability
- Operation via microcontroller and Bitrode's VisualCN™ Formation Client Software
- Battery backed local circuit memory for reliable restart and data retrieval after power outage
- System cooling for reliability in demanding environments
- Discharge power recycled to AC line for cooler, more energy-efficient operation

Applications

- High voltage formation of stationary and industrial VRLA batteries
- Tackless formation of automotive and industrial plates
- Dry-charge formation
- Series formation of multiple battery strings



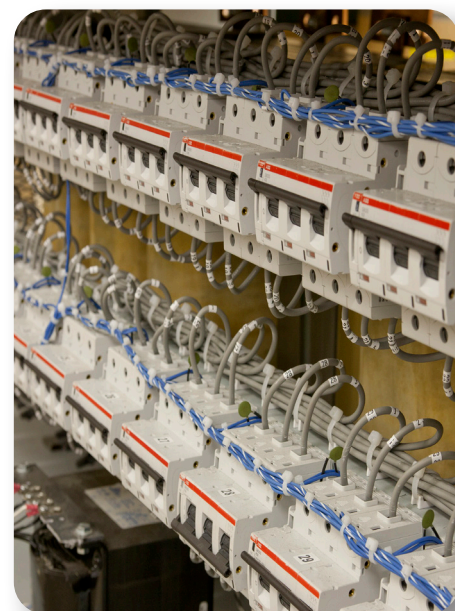
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General Specifications

Voltage:	0 - 560V
Current:	0 - 50A
Circuits:	up to 32
Accuracy:	$\pm 1\%$ of FS
Data Sampling Rate:	1s
Input Power Supply:	3-phase, 50/60 Hz



System Options

- Bitrode's exclusive STM thermal monitoring probes for temperature setback control
- Remote junction box for formation table connections
- Local control with Programmable Logic Controller (PLC) and VisualCN™ Panel Agent interface
- Power fail system
- Single or multi-circuit cabinets available

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