



Hard Wired Reliability

2019 SCA CRITICAL SYSTEMS BATTERY CHARGER

General Information

Heavy duty service, automatic, constant current, constant voltage, current limiting battery chargers for charging all types of standby generator batteries with constant load and/or PLC controls.

Vulcan's heavy duty SCA is a field-proven constant current, constant voltage **SCR controlled float charger** designed for lead acid or NiCad Generator starting batteries. It has integrated circuit controls and is equipped with a 1% accuracy Digital Panel meter, and a manual equalize switch. A wide array of optional alarms are also available. Its historical certainty, and a proven field record means that you can rely on the SCA for years of reliable service. Vulcan backs the SCA by an unmatched **10 year (88,000 hour) performance guarantee**.

Applications: Critical service stationary or portable generator systems, and the charging of engine starting batteries for water treatment, navigation lighting, hospitals, communication towers, institutions, etc.

Standard Features

- Output regulation $\pm 1\%$ for input variation of $\pm 10\%$ from no load to full load.
- SCR controlled output regulator with integrated circuit controls.
- AC and DC circuit breaker protection with AC on/off switch.
- CSA approved and manufactured in Canada.
- A standard manual two-position switch marked "Normal" and "Equalize" is supplied on units specified without an auto equalize option.
- "NEW" A 1% digital Panel meter standard on all units up to 36 Volts DC.
 - DC voltage readout
 - DC amps readout
 - DC power, the current wattage output
 - DC energy, the accumulated wattage output over time.
 There are also two "blinking display alarms" for low and high voltage alarms that are preset at the rated settings.



Optional Feature designations include:

- **LVTD:** Low-Voltage Alarm
- **AC:** AC Fail Alarm
- **N30D6:** 30-day Automatic Equalize
- **NDD:** 1% Digital Panel meter
- **BCT1:** Kit Form Charger
- **HV:** High-Voltage Alarm
- **NC:** No Charge Alarm
- **EP:** Environmental Coating
- **DS:** Top Mounted Drip Shield



The optional **LVTD**, **HV**, **AC** and **NC** alarm options use Form "C" relays with normally closed and normally open termination options for an external alarm, as well as an LED on the cabinet face.

Custom colours are available as an option, see the 2019 selection guide or ask your rep for details.

240VAC and 50 Hz models are available as an option on most designs, see the 2019 selection guide or ask your rep for details.

Vulcan backs this charger up with an unmatched **10 Year (88,000 hour) performance guarantee**.