

ABBREVIATED SPECIFICATION MISSION-CRITICAL ENGINE START BATTERY CHARGER

Items in [brackets] indicate choices to be made

Function and standards

Provide automatic constant voltage, current limited battery charger to fully recharge and maintain starting battery and supply continuous current to engine controls and alarms. Charger shall be C-UL listed, [CE marked.] Input supply: Field selectable 120/208-240 VAC, 60 Hz [50/60 Hz.] Comply with NFPA-110, NFPA 70 and carry C-UL listing to UL standard 1236. Conducted and RF emissions to FCC Part 15 and EN 50081-2. Transient resistance to ANSI/IEEE C62.41, Cat. B, and EN 50082-2.

Features

- Output: [10] [20] amps, current limited at 100% to 110%
- Field selectable output for 12 or 24 volts
- Field output voltage programmable for low or high S.G. lead-acid battery, VRLA battery, or for 9 or 10 cells, or 18, 19 or 20 cells nickel cadmium
- 4-rate automatic equalize charging and battery temperature compensation. [Remote temperature compensation probe]
- Output voltage regulation: $\pm 0.5\%$ line and load
- Output voltage adjustable without potentiometers or external meters
- Digital metering of output amps and volts
- Reverse polarity protection
- Status indicators: AC on, float mode, equalize mode, temp comp active, AC fail, low DC voltage, high DC voltage, charger failure, battery fault
- Battery fault alarm to warn of battery problems such as battery or connections open or short, or high resistance
- Form C contacts for remote alarm indication of all alarms

Environment

- -40C to +60C operating range, convection cooled
- 5% to 95% humidity operating range. Conformal coated circuit cards
- Seismic zone 4 compliant