

## 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

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