



APPLIED ENERGY
SOLUTIONS

Thoroughbred *Rapid Charger*

The most advanced and economical multi-shift charger for effective point-of-use rapid charging. State of the art CRF ensures maximum operational safety and efficiency.

Full 10 Year Warranty



Rapid Charging

The Power of Excellence



Thoroughbred

Rapid Charger

This rugged, reliable, real-time controller returns up to 30% recharge in less than 45 minutes; 100% recharge in only 4 hours! Fully integrated microprocessor automatically terminates the charge cycle when battery voltage reaches the gassing point.

Features & Benefits

- Highest acceptable return rates battery Modifications required (double connectors & Inter cell)
- Battery S.O.C. validated prior to start
- Easy access for programming all features
- User Selectable Features:
 - Charge rate of 40A/100Ah
 - Delayed start from 15 minutes to 4 hours, in 15 minute intervals
 - Equalize can be done manually, automatically with day/time setting, or every 5 cycles
 - Gassing point options: 2.37vpc, 2.40vpc, (default) 2.42vpc, and 2.45vpc
 - Automatic refresh charge every 24 hours
 - Programmable charge block out time
 - Programmable charge termination when battery voltage reaches the gassing point, to prevent excessive gassing
- Low Electrical noise superior in applications with other electrical equipment and controls
- Remote Control Interface
- Auto start with five second delay
- Automatic shutdown for the following conditions:
 - Wrong battery & negative slope
 - 80% or final charge exceeds time limit
 - Volts per cell outside safe limits
 - Charging current too high or too low
 - Maximum battery temperature exceeded (requires optional battery temperature sensor)
 - Controlled Ferroresonant technology for Total Charge Control over the complete charging cycle
- Digital readout displays:
 - Time remaining to 80% & Full charge
 - Charge current/voltage
 - Equalize in process
 - Fault codes
 - Charge data 25 cycles (time, AH returned, and voltage)
 - Charger setup
 - LED charge status indicators
 - Gas gauge
 - Charging
 - 80% Charged
 - Charge Complete
 - Equalize
 - Fault Shutdown
 - Cool down time displayed
 - Manual jump start for over-discharged batteries

Product Safety

- UL Listed (Pending)
- UL Listed to Canadian Safety Standards (Pending)

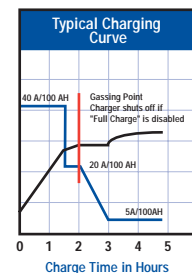
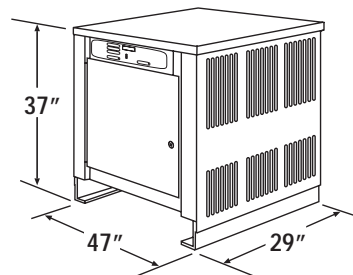
Optional Features

- Battery electrolyte temperature sensor
- Remote Control Box
- Fungus protection available
- Custom output cable length

Warranty

See Warranty Certificate.

CAUTION: DISCONNECTING THE BATTERY FROM THE CHARGER DURING THE CHARGE CYCLE WITHOUT MANUALLY STOPPING THE CHARGER CAN CAUSE DAMAGE TO BOTH OPERATOR AND EQUIPMENT AND VOID THE WARRANTY



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