



THOROUGHbred™

Rapid Charger

The Power of Excellence

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





ThoroughBred Rapid Charger

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

Features & Benefits

- Fully integrated microprocessor control that automatically terminates the charge cycle when the battery voltage reaches the gassing point. Final charge period is determined by real time clock programming
- Battery S.O.C. is validated prior to start of charge
- Returns up to 30% recharge in less than 45 minutes and 80% recharge in less than three hours and 100% recharge in just over four hours
- Low electrical noise ideal for use in plant settings where other electronic equipment and controls are in the immediate proximity
- Interface jack for remote control and monitoring options
- Compatible with industry accepted Data Acquisition devices
- Automatic refresh charge every twenty four hours
- Auto start with five second delay
- Battery protection with override timers, wrong battery sensing and negative charge slope termination
- Automatic shutdown for the following conditions:
 - 80% charge does not occur in six hours or
 - Final charge is not reached six hours after 80% (gassing point)
 - Volts per cell are too high or too low
 - Charging current is too low or too high
 - Battery cable is disconnected while charging
 - Maximum battery temperature reached (requires optional battery temperature sensor)

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

- Advanced Ferroresonant Technology for Total Charge Control over the complete charging cycle
- Four selectable 80% voltage settings
- Four position Digital display for showing:
 - Charge current
 - Equalize in process
 - Fault diagnostics
- Four LED indicators showing charge status including
 - Charging
 - 80% Charged
 - Charge Complete
 - Fault Shutdown
- LED test button
- Charge data monitor button provides AH returned, Total charge time, Average volts per cell

- Selectable automatic or manual start upon connection to battery
- Large green push button for manual start
- Large red push button for manual shutdown
- Manual and/or Automatic equalization can be set for weekends via real time clock programming
- Front and rear door access allows easy configuration, troubleshooting and Service
- Twelve foot long output cables for added flexibility
- Output connectors SBX350 standard

Product Safety

- UL Listed
- UL Listed to Canadian safety standards

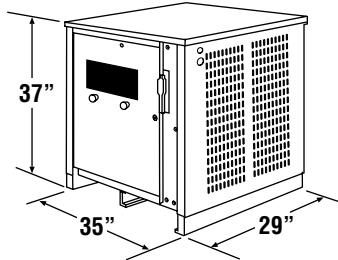
Optional Features

- Battery electrolyte temperature sensor available
- Remote Control Box available
- Fungus protection available

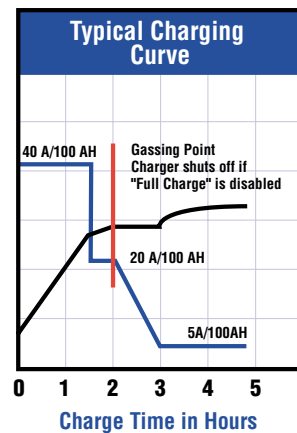
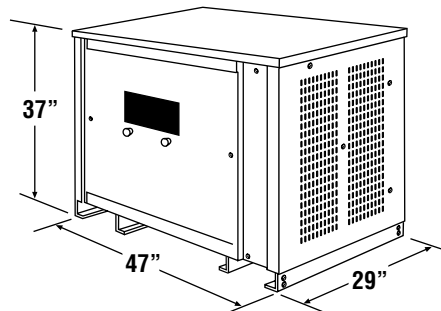
Warranty

- See Warranty Certificate for information

Cabinet C



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