WORKHORSE SERIES™
YOUR CHOICE FOR HORSE POWER
FOR THE LONG HAUL.

This family of dependable, heavy duty industrial chargers, features ferroresonant technology for single, dual and multi-shift applications.

THE POWER OF EXCELLENCE

Tel: 585-538-4421  One Technology Place
     800-836-2132   Caledonia, New York 14423
**Workhorse Series I™**

Rugged, single-shift capacity charger where consistency, reliability and efficiency are key factors without the pressure of recharge time.

**Features & Benefits**

- Fully integrated microprocessor control for automatic volt/time termination
- Selectable refresh charge for 30 minutes every 24 hours
- Ten to sixteen hours charge time.
- Auto start with five second delay
- Selectable one hour time delay
- Memory retention during AC power loss
- Automatic shutdown for the following conditions:
  - 80% charge does not occur in twelve hours
  - Volts per cell are too high or too low
  - Charging current is too low
  - Battery cable is disconnected while charging
  - 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
- Ferroresonant tapered charge for optimum battery and charger life
- Selectable 80% voltage of 2.37 or 2.45 volts per cell
- Digital display for showing:
  - Charge current
  - Fault codes
- Multi color LED, indicating: charging status, equalization mode and fault shutdown
- Red push button for manual shutdown
- Manual jump start for over-discharged batteries
- Manual equalize button.
- Supplied with seven foot AC line cord and plug (line cord not provided on 12A750, 18A450, 18A600, 18A750, 24A600 @120V AC)
- Ten foot long output cables for added flexibility
- Numerous Output connectors available as standard

**Options**

- Wall mount brackets available

**Product Safety**

- UL Listed
- UL listed to Canadian Safety Standards

**Warranty Details**

See warranty certificate for information
Workhorse Series II™
The most dependable dual-shift charger on the market. Fully recharges a normally depleted lead acid battery in eight hours or less.

Features & Benefits
- Fully integrated microprocessor control for automatic dv/dt - di/dt termination
- Interface jack for remote control and monitoring options
- Automatic refresh charge every twelve hours
- Charge time of eight hours or less on a normally discharged battery
- Auto start with five second delay
- Selectable delayed start from one to nine hours
- 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 nine hours
  - 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
  - Battery cable is disconnected while charging
- 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
- Ferroresonant tapered charge for optimum battery and charger life
- Selectable 80% voltage of 2.37 or 2.45 volts per cell
- 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
- Red push button for manual shutdown
- Manual jump start for over-discharged batteries
- Manual and or automatic equalization
- Ten foot long output cables for added flexibility
- Numerous output connectors available as standard
- No brackets needed for stacking

Optional Features
- Wall mount brackets available
- Remote control box available

Product Safety
- UL Listed
- UL listed to Canadian Safety Standards

Warranty Details
See warranty certificate for information.
Workhorse Series III™
The industry’s most technologically advanced and dependable heavy-duty charger for multi-shift applications requiring a full battery recharge in less than eight hours.

Features & Benefits
- Fully integrated microprocessor control for automatic dv/dt - di/dt termination
- Interface jack for remote control and monitoring options
- Automatic refresh charge every twelve hours
- Charge time of eight hours or less on a fully discharged battery
- Auto start with five second delay
- Selectable delayed start from one to nine hours
- Battery protection with override timers, wrong battery sensing and negative charge slope termination
- Automatic shutdown for the following conditions:
  - Charging current is too low
  - Battery cable is disconnected while charging
  - 80% charge does not occur in nine hours
  - 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
  - Battery cable is disconnected while charging
  - Final charge is not reached six hours after 80% (gassing point)
  - Volts per cell are too high or too low
- Ferroresonant tapered charge for optimum battery and charger life
- Selectable 80% voltage of 2.37 or 2.45 volts per cell
- Four position digital display for showing:
  - Charge current
  - Equalize in process
  - Fault diagnostics
- LED test button
- Charger data monitor button
  - Provides AH returned
  - Total charge time
  - Average volts per cell
- Cool down timer initiates at the end of charge
- Red push button for manual shutdown
- Manual jump start for over-discharged batteries
- Manual and or automatic equalization
- Ten foot long output cables for added flexibility
- Numerous Output connectors available as standard

Optional Features
- Wall mount brackets available
- Remote control box available
- Real time clock control
- 50Hz models available
- Stacking brackets
- Series and parallel output cables available
- JIC switch

Product Safety
- UL Listed
- UL listed to Canadian Safety Standards

Warranty Details
See warranty certificate for information