

APPLIED ENERGY
SOLUTIONS

BRONCO™

SCR

The Power of Excellence

The industry's most adaptable charger, designed with precise control and temperature compensation in a programmable SCR technology charger.

Textiles



Automotive

*Materials
Handling*





Bronco SCR

Multi-Volt, Multi-Amp Hour, Silicon Controlled Rectifier (SCR) charger. Returns a fully depleted flooded, gel or VRLA battery to 100% charge in eight hours or less.



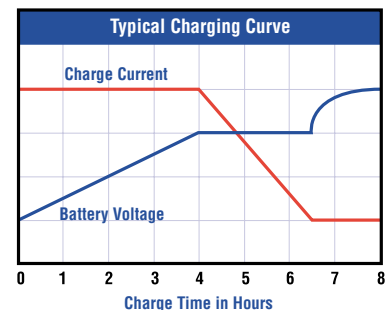
Features & Benefits

- Programmable voltage capability
- Programmable Amp hour capability
- Fully controlled by microprocessor
- Programmable charge profiles designed for Flooded, Gel, VRLA batteries or custom defined profiles.
- Charge time of eight hours or less on a 100% discharged battery
- Battery temperature compensation with optional BIT
- Real-time clock
- Three start modes:
 - Auto start with five second delay
 - Selectable delayed start (number of hours and time of day)
 - Push to start
- Programmable automatic refresh frequency (6 to 90 hours)
- Interface jack ready for remote control and monitoring options
- Battery protection with override timers, incorrect battery sensing and negative slope termination
- Cool-down time display after charge complete
- Automatic shutdown for the following conditions:
 - 80% does not occur in 9 hours
 - Battery voltage per cell is too high or too low
 - Charging current is too high or too low
 - Battery cable is disconnected during 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

- Four-digit alphanumeric display for indicating:
 - Start mode
 - Charge mode
 - Idle mode
 - Shutdown mode

- Four LED indicators indicating:
 - Charging
 - 80% charged
 - Charge complete
 - Fault shutdown
- Four control push buttons for setup, display and control:
 - Review mode
 - Setup mode (password protected)
 - Charging mode
- Monitoring charge data during charge cycle or after charge complete
 - 10 cycles of charge data retained in memory
- Watering control signal (see options)
- Manual jumpstart for over discharged battery during battery testing mode.
- Manual and automatic equalization
- AC power failure recovery
- Random restart after AC failure
- Non-volatile memory for all settings
- Multiple output connectors available as standard



Product Safety

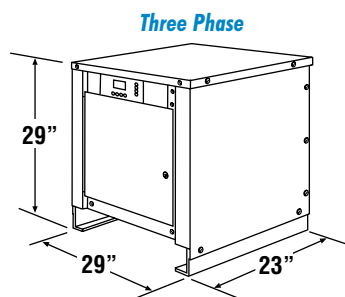
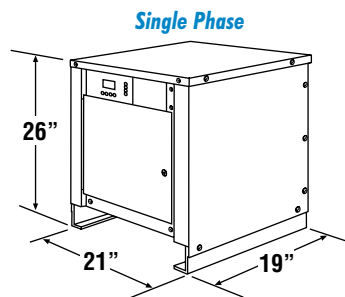
- UL listed
- UL listed to Canadian Safety Standards

Options

- BIT - Battery Information Transmitter
- BIT Upgrade Kit
- Remote Control Box
- Water valve kit

Warranty

- See Warranty Certificate for information



APPLIED ENERGY SOLUTIONS
 One Technology Place
 Caledonia, New York 14423
 Tel: 585-538-4421
 Fax: 585-538-6345

800-836-2132

www.appliedenergysol.com