

# Command Charge Battery Chargers

## Charger Features

- SCR technology
- Fully charge batteries within 8 hours
- Proven Lester Electrical reliability
- Convection cooled with no moving parts
- Single- and three-phase AC input options
- 208/240/480 AC voltages
  - Field selectable
- Advanced microprocessor control
  - Precise charging and termination algorithms
- Wet and Sealed battery profiles
- Opportunity charging (Gold Control)
- Self diagnostic button
- Charger protection
  - Voltage mismatch, reverse polarity, and short circuit
- AC contactor and door lockout switch (Gold Control, optional with Silver Control)
- Stackable and drip-resistant steel cabinets
- UL and cUL listed
- Made in the USA



## User-Friendly Operation

Command Charge industrial battery chargers are designed for user-friendly operation. They are delivered ready to charge with user-specified, factory-configured amp-hour settings and battery profiles. The user interfaces are logical and include large displays that are easy to read from a distance. The chargers automatically start after a battery is connected, equalize, and refresh. Gold Control chargers also automatically detect the voltage of the connected battery and select the correct charging voltage. If an issue ever occurs, the user can press the self diagnostic button to determine the exact cause.

## Automatic Multi-Voltage Charging

Gold Control Command Charge battery chargers are capable of charging batteries with cell counts up to their maximum rating. They automatically sense the DC voltage of the connected battery and adjust the DC output voltage accordingly. For example, a 24-cell (48-volt) charger will safely charge 24, 18, and 12-cell batteries automatically with no user adjustment. This feature eliminates the need to purchase multiple chargers for multi-voltage charging.

Voltage mismatch protection is also present in all Command Charge battery chargers and prevents the charging of a battery with a DC voltage outside of the range of the connected charger. This feature protects improperly connected batteries from damage.

Command Charge Controller Features	Silver Control	Gold Control
Advanced microprocessor control	■	■
User-specified, factory-configured battery profiles and AH settings	■	■
1-inch alphanumeric display characters	■	■
8 LED indicators and 4 buttons	■	■
Full factory self diagnostic button	■	■
Voltage mismatch protection	■	■
Complete fault monitoring with shutdown protection	■	■
Automatic start with delay	■	■
Automatic equalize, cool down, and refresh	■	■
Manual equalize, stop, and start with buttons	■	■
Cold storage support	■	■
Field-replaceable control board	■	■
Automatic multi-voltage charging		■
Individual battery profile and AH setting per voltage		■
2-line LCD display and navigation pad		■
"Plain English" menu system		■
Program/modify charger settings in the field		■
Review archived charge cycles		■
Real-time clock for time-of-day operations		■

# Command Charge Battery Chargers

## Multi-Amp-Hour Charging

Command Charge battery chargers are multi-amp-hour. They are factory-configured with user-specified battery capacities (up to their maximum amp-hour specification). Gold Control chargers can be configured with an individual amp-hour setting for each supported battery voltage, which can be modified by the user in the field.

## Optimum Battery Capacity and Life

An advanced microprocessor controller is featured in Command Charge battery chargers. Precise charging and termination algorithms prevent both undercharging and overcharging, optimizing both daily battery capacity and overall battery life.

## Battery Profiles

Command Charge battery chargers are delivered programmed with user-specified battery profiles, including Wet, Sealed, and Opportunity, that completely define the charging process from start to termination to equalization. Gold Control chargers can be programmed with an individual battery profile for each supported battery voltage.

## User Interface

The Command Charge user interface includes a 4-digit alphanumeric display with extra-large 1" characters that are readable from a significant distance, 8 LED indicators, and 4 buttons for operating the charger. The display provides users with real-time charge cycle parameters, such as current, voltage per cell, and amp-hours returned, in addition to status information. The 8 LED indicators logically communicate charge cycle status. The 4 buttons enable the user to manually operate the charger. A charge cycle can be manually started, stopped, and converted to an equalize or daily charge cycle.

## LCD Display and Navigation Pad

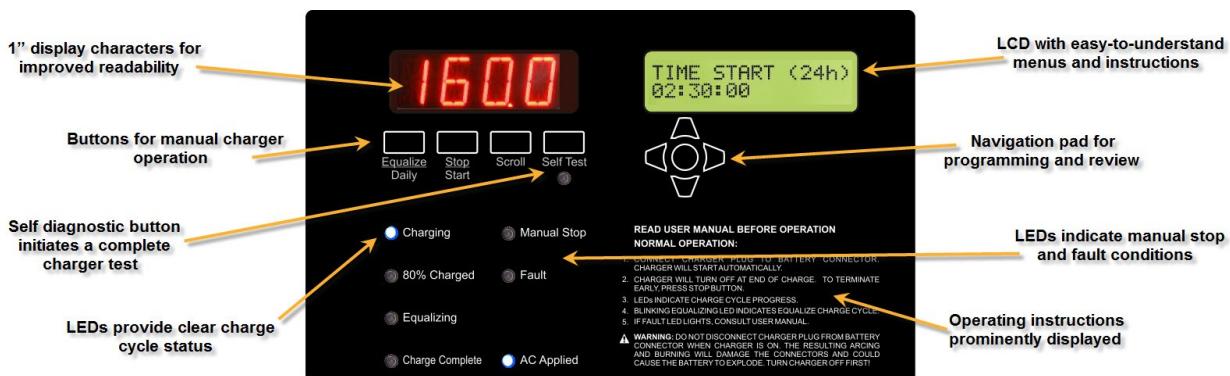
A 2-line LCD display and navigation pad are featured on Gold Control Command Charge battery chargers. These features enable a user to program/modify charger settings in the field, view extended real-time charge cycle parameters, and review archived charge cycles. All of this is done using a "plain English" menu system, eliminating the need to look up complex codes.

## Self Diagnostic Button

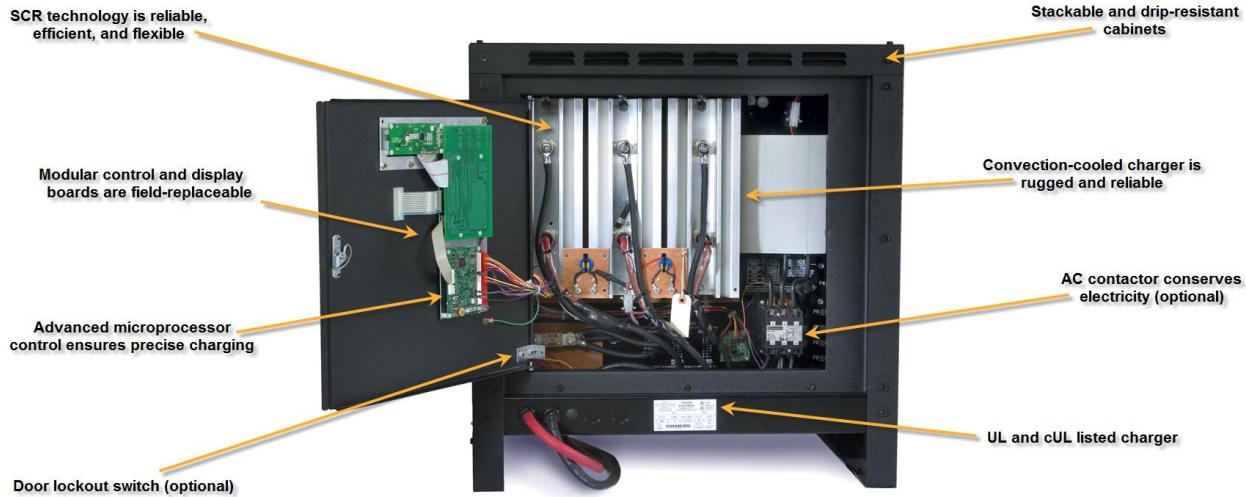
If an issue occurs with a battery charging system containing a Command Charge battery charger, the user can press the innovative self diagnostic button to determine if the charger is functioning properly, and if not, which component needs to be serviced. Pressing this button initiates a full factory self diagnostic. The displays and the self diagnostic LED provide the user with the result of the test. Command Charge battery chargers also continually monitor for faults during operation.

## Real-Time Clock

Gold Control Command Charge battery chargers include a real-time clock. The real-time clock enables time-of-day operations, including day-of-week equalization, time-of-day start, and time-of-day blackout. In addition to other uses, these features can be used for opportunity charging and to take advantage of off-peak utility rates.



# Command Charge Battery Chargers



## Reliable and Durable

The Command Charge product line continues the tradition of proven Lester Electrical reliability. The case is heavy gauge and powder coated. The efficient convection-cooled design offers optimal heat dissipation without the need for a cooling fan, which further enhances reliability. Command Charge battery chargers are made in the USA and tested to UL and cUL standards.

## SCR Technology

Command Charge are convection-cooled, microprocessor-controlled, SCR battery chargers. Proven SCR technology is reliable, efficient, and flexible. The optimized I-E-I (constant current-constant voltage-constant current) and I-E (constant current-constant voltage) charge curves enable the charging of Wet or Sealed batteries.

## Applications

Command Charge battery chargers are used in a diverse set of material handling applications. The chargers are ideal for multiple-shift manufacturing and warehouse operations where batteries need to be charged to full rated capacities within 8 hours. The flexibility and ruggedness of the chargers also enable their use in harsh environments, including cold storage.

## Command Charge Battery Chargers

AC Phase	DC Volts, Max	Cell Count, Max	Amp-Hour Rating (C5), Max (8 Hrs)	DC Amps, Max	Model Number	AC Amps			Approx Shipping Weight (Lbs)
						208V	240V	480V	
1	12	6	450	72	18880	10	9	4.5	180
1	12	6	550	88	18890	12	11	5.5	190
1	12	6	680	109	18900	14.5	13	6.5	193
1	24	12	380	61	18910	16	14	7	200
1	24	12	550	88	18920	22	19	9.5	223
1	24	12	680	109	18930	27	22	12	225
1	24	12	850	136	18950	33	29	14	260
1	36	18	600	96	18960	35	31	15	248
1	36	18	800	128	18970	45	38	19	290
1	48	24	600	96	18980	45.5	40	20	290
3	24	12	550	88	19050	12	10	5	267
3	24	12	680	109	19200	15	13	7	299
3	24	12	850	136	19210	19	16	8	308
3	24	12	1000	160	19500	22	19	10	323
3	36	18	550	88	19220	18	16	8	304
3	36	18	680	109	19060	22	19	10	326
3	36	18	850	136	19070	28	24	12	363
3	36	18	1000	160	19230	31	26	13	389
3	36	18	1360	218	19510	44	38	19	461
3	36	18	1600	256	19700	--	43	22	514
3	48	24	550	88	19080	24	21	10	328
3	48	24	680	109	19090	29	25	13	373
3	48	24	850	136	19100	37	32	16	413
3	48	24	1000	160	19240	44	38	19	484
3	48	24	1360	218	19520	--	52	26	499
3	80	40	850	136	19720	--	--	26	571

Single-Phase Cabinet Dimensions: 19.0" W x 27.0" H x 17.5" D

Three-Phase Cabinet Dimensions: 27.0" W x 28.0" H x 20.0" D

### Represented By:



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