

TurboStart[®] BATTERIES

CHG15A12V | CHG15A16V CHARGER INSTRUCTIONS



Operation

Smart Chargers have been designed to provide fully automatic recharging of most 12V or 16V maintenance free, deep-cycle, AGM and gel-cell batteries. If possible, disconnect all loads from the battery by removing battery cables, opening a disconnect switch, or switching loads off.

Note: Turbo Start recommends a minimum of a 16AWG cord for lengths up to 50' and a minimum of a 14AWG cord for lengths up to 100'. Extension cords over 100' are not recommended.

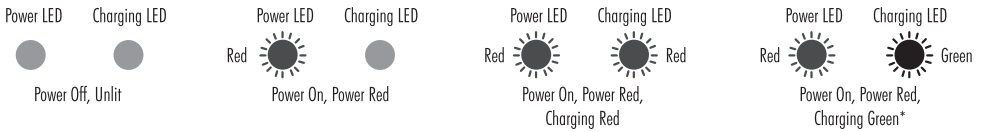
To charge your 12V or 16V battery:

- 1) With the Smart charger's power switch in the Off, "0", position plug the charger into a grounded wall outlet.
- 2) Connect the red positive (+) clip of the charger cables to the positive (+) terminal of the vehicle battery.
- 3) Connect the black negative (-) clip of the charger cables to a solid chassis ground. If this is not possible, connect black negative (-) to the negative (-) battery terminal.
- 4) Flip the power switch on the back panel to ON, "1". The Power LED will illuminate red while the microprocessors analyze the battery and after a short delay, the Charging LED Indicator on the front panel will illuminate red, beginning the multi-stage Smart charging sequence.

***Note charger will automatically restart the charging process if the charge current rises above a factory preset maximum.**

- 5) When complete, the Charging LED Indicator will turn green, flip the power switch to OFF, "0".
- 6) Remove the black negative (–) clip and the red positive (+) clip from the vehicle's battery terminals.

LED Mode Indicators



*The "Charging LED" will change to green indicating the final charging stage and a 1 hour minimum in this stage is required, however 24 hours is recommended for 100% charge.

Troubleshooting

WARNING: Electric shock hazard

Do not disassemble any of the Smart chargers. The chargers do not contain any internal user-serviceable parts and attempting to service the unit yourself could result in electrical shock or burn.

• *Power LED does not come on when the power switch is flipped to ON:*

- (1) Check fuse.
- (2) Check cord and input power.

• *Charge mode will not illuminate:*

- (1) The battery is not connected.
- (2) The battery is below 8V.

• *Charging LED remains red and never turns green:*

- (1) This happens when the battery cannot be completely charged in a 10-hour period at the selected charge rate. Ensure the battery polarity is correct. If the error persists, replace battery.

***IMPORTANT* If this charger is to be used with a portable generator, it should be equipped with automatic voltage regulation to ensure consistent output of the product.**

Limited Warranty

TurboStart takes great pride in our quality, value, and performance and believe that this product should offer you trouble free operation throughout its lifetime providing you follow the simple instructions in the product documentation. If you experience any problems with your product, please read the warranty details listed below carefully.

Warranty: TurboStart products carry a 60 day money back satisfaction guarantee and a 1 year free replacement warranty. TurboStart will refund the full product purchase price less any freight or other charges of the original invoice if a warranty claim is issued within the first 60 days of the purchase date. Turbo Start will replace or exchange manufacturer defective products if

a warranty claim is issued within 1 year of the original purchase date. All returns must have an RGA number issued from the warranty department prior to return of the product for testing and inspection. Any physical damage or abuse is not covered under this warranty. If after inspection the battery fails from a manufacturer defect and the claim is within 1 year of the original purchase date, TurboStart will replace the battery for free. If this occurs in the first 60 days of the original purchase date TurboStart will replace or repair the product or offer a full refund for the purchased price of the battery.

If the product is not covered under the terms of this warranty TurboStart will advise you of the costs to carry out any repairs necessary and the unit will be shipped to you on receipt of payment for the work including the return freight charges. Please allow 2 to 4 weeks for return of your product. Under normal circumstance we try to ensure we carry out warranty repairs within 5 working days.

***Note: Turbo Start Batteries cannot be held responsible for delays in shipping.**

Product Disclaimer

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Exclusions

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Contact Info

TurboStart Batteries

2847 John Deere Dr. Suite 102C
Knoxville, TN 37917

info@turbostart.com

Ph: (877) 324-9300 (toll free North America)

Ph: (865) 394.3565

Fax: (865) 394.6534



TURBOSTARTBATTERIES.COM