

BCGP-1

Battery Charger and Battery Pulser Combination Unit

Product ID: 1620

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Five-Stage Maintenance Battery Charger and Battery Pulser.

Use it for evaluation and testing. A unique test feature evaluates the battery thoroughly during the initial connection to determine the appropriate charge rate based on its size and condition. It tests the battery continually for as long as it is connected to the charger to maintain the optimal bulk or float charge rate. This test step incorporates a "Bad Battery" indication if it determines the battery is faulty and cannot be re-charged.

Use this charger for maintenance and bulk charging. It's designed to be a maintenance charger for any type of 12-V lead-acid battery. By imposing only the appropriate amount charge rate, the battery is maintained safely at its proper operating voltage indefinitely. Conversely, if the charger is connected to a discharged battery, its bulk charge capability (2.5 A actual/5 A effective) will re-charge the battery rapidly and safely so it can be put back into service quickly.

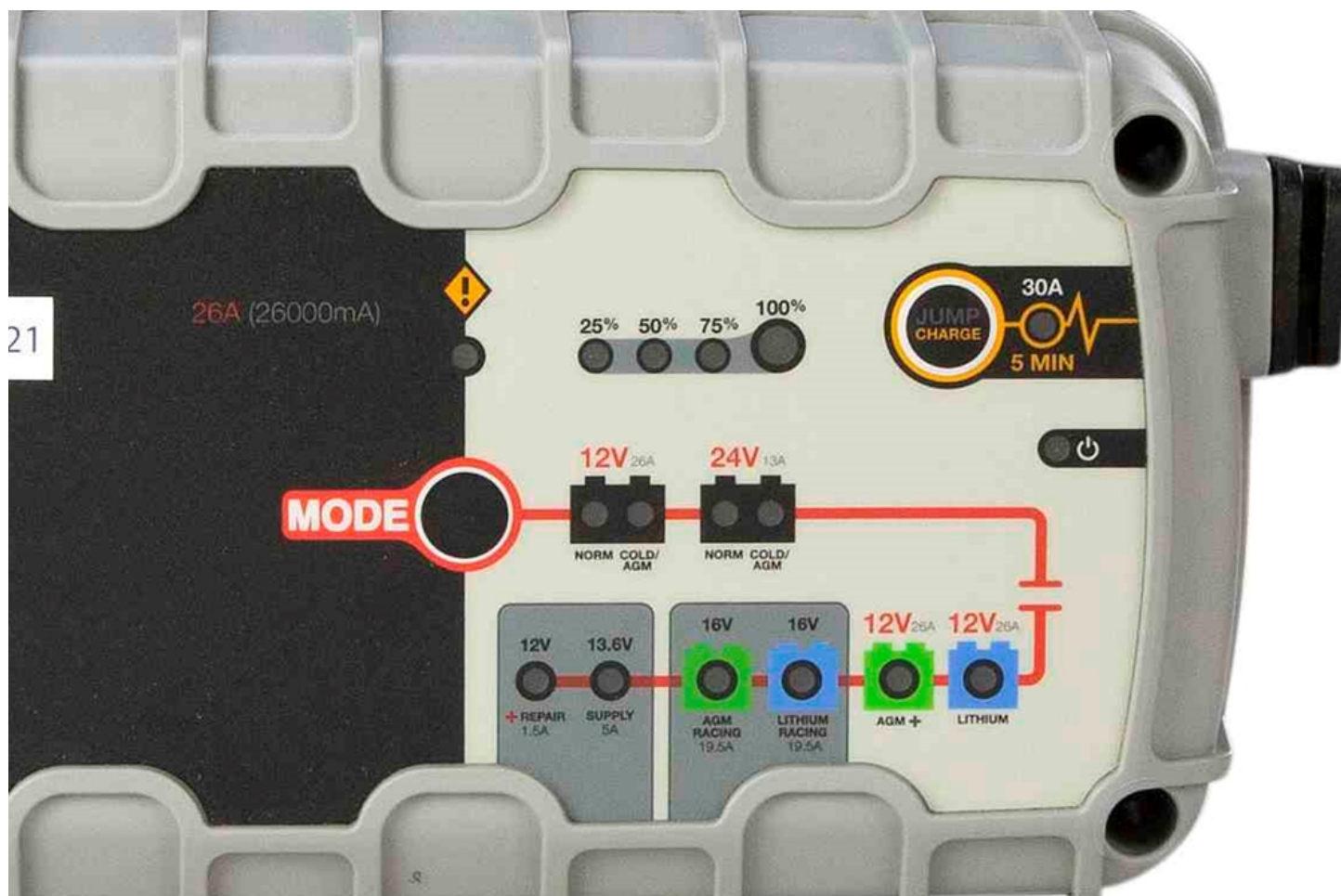
A proprietary computer-integrated technology measures both voltage and current to determine the appropriate amount of charge the battery is able to accept at any given time. As the pulse and saturation charges improve the battery's condition, the charge rate may be increased safely to an optimal level. This proprietary algorithm protects the battery from the risk of damage due to overcharging.

The battery charger features variable float charge. Intelligent circuitry imposes the correct amount of charge rate as determined by the continual evaluation of the battery's condition. The charge rate may be as minimal as 0.2 A during typical float up to the full 2.5 A for more deeply discharged batteries. This variable float charge ensures optimal charge rate is applied to the battery.

Unique and patented pulse technology increases the duty and life cycles of any size or type of 12-V lead-acid battery by minimizing the size of the lead sulfate crystals. This allows a battery to accept as much charge as possible. Pulse technology helps ensure that your new batteries will stay in like-new condition while older batteries often improve dramatically. Duty cycles are typically extended from three to five times for all types of lead-acid batteries! This charger is ideally suited for AGM and maintenance-free batteries (from less than 10 Ah to over 150 Ah). The combination of patented pulse technology and proprietary charging algorithm typically allows it to charge these high-performance batteries more fully. It also maintains a safe charge profile for traditional batteries including flooded, fill and charge and gel.

Includes fuse-protected quick-disconnect battery clamps and lugs, Important Safety Instructions and Quick-Start Guide. Fuse-protected, spark-proof unit is UL and CE certified. Five-year warranty.

Frequently Asked Questions (FAQ)









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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)