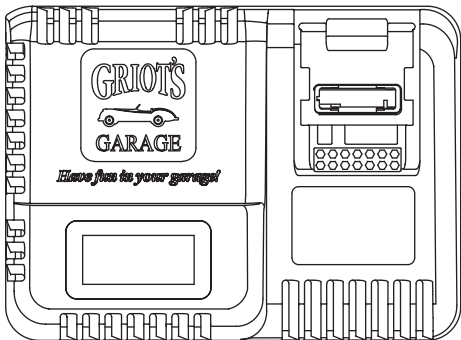




12V/20V Lithium-Ion Smart Charger



**⚠ WARNING: Read and Understand all safety warnings and user instructions before using.
SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE**

Please read and understand this manual. It contains information that relates to personal protection of you and others.


User's Manual


Item: BGCHG


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SYMBOLS USED IN THIS MANUAL

 **WARNING:** Description of hazard and possible resulting injuries or death.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

 **NOTE:** Expressed tips and important information.

SYMBOLS ON THE POWER TOOL

	Before switching on the power tool read the operating manual!
	Double Insulated (Class II)
	Device is suitable for indoor use only. Do not expose device to rain or moisture. Store electric power tools and batteries in dry environment.

Before using the 12V/20V Lithium-Ion Smart Charger, read and follow:

- These operating instructions
- The “General safety instructions” on the handling of power tools
- The currently valid site rules and regulations for the prevention of accidents

INTENDED USE

The Griot's Garage® 12V/20V Lithium-Ion Smart Charger- BGCHG is intended

- For commercial use in industry and trade
- For connection to Griot's Garage® 12V and 20V powered tools including THE BOSS™ Hybrid Micro Polisher

i NOTE: It is expected that all users be fully trained in the safe operation of the charger. Use for any other application has not been studied by Griot's Garage and may lead to unsafe conditions.

GENERAL SAFETY WARNINGS

⚠ WARNING: Read all safety warnings and user instructions. Failure to follow the warning and instructions may result in electric shock, fire, and/or serious injuries.

SAVE THIS MANUAL: This manual contains important safety and operating instructions for the Griot's Garage® 12V /20 V Lithium-Ion Smart Charger.

WORK AREA SAFETY

SAFETY INSTRUCTIONS FOR THE 12V/20V LITHIUM-ION SMART CHARGER

- Keep the battery charger away from rain or moisture.** Penetration of water in the battery charger increases the risk of an electric shock.
- Keep the battery charger clean.** Contamination can lead to danger of an electric shock.
- Before each use, check the battery charger, cable, and plug.** If damage is detected, do not use the battery charger. Never open the battery charger yourself.

Have repairs performed only by a qualified technician and only using original spare parts. Damaged battery chargers, cables and plugs increase the risk of an electric shock.

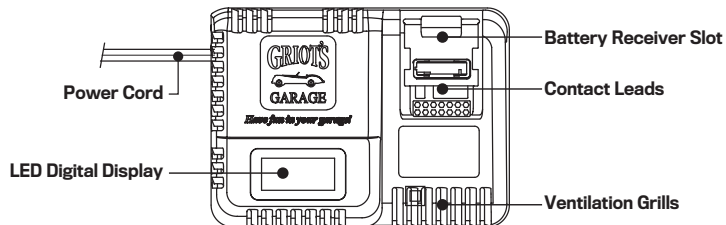
d. Use in well ventilated area. In case of damage and improper use of the battery, vapors may be emitted. Ventilate the area and seek medical help in case of complaints. The vapors can irritate the respiratory system.

e. Do not place any objects on the battery charger and do not place the battery charger on soft surfaces. There is a risk of fire.

f. Always check that the mains voltage matches the voltage indicated on the rating plate of the battery charger.

g. Do not use extension cord.

PARTS AND FEATURES



TECHNICAL SPECIFICATIONS

Device	12V/20V Lithium-Ion Smart Charger
Input Volts	V~/HZ 100-130/50-60
Charging Voltage	V- 12/20
Charging Time	12V 2.5aH - 50min 80%
Protection Class	II /
Operating temperature	32°F - 130°F
Weight (without battery)	1.14 Lbs. (including cord)

INSTRUCTIONS FOR USE

⚠ CAUTIONS:

- Never charge batteries at ambient temperatures below +40°F (+4.5°C)
- Do not charge batteries in an environment which has high humidity or above +104°F (+40°C)
- Do not cover batteries and/or the battery charger during the charging process.
- At the end of the charging process remove the charger plug from wall outlet.
- It is normal for the battery and battery charger to heat up during the charging process.
- Lithium-Ion batteries do not exhibit the well know memory effect common with Ni-Cad batteries
- Reduced operating times after recharging indicates that the battery is worn out. The

battery must be replaced. Batteries are consumable and not covered under limited lifetime warranty.

- Always store batteries partially charged and in a cool location.

CHARGING PROCEDURE

⚠ CAUTION: Use only original batteries in the supplied battery charger.

1. Insert the charger plug in to proper outlet receptacle.
2. The LED display will be backlit with green for 10 seconds and then shuts off.
3. Insert 12V or 20V battery into battery receiver slot.
4. The LED display will immediately report battery charge status indicated by flashing bars within the battery diagram on the display.

ⓘ Note: Screen will be backlit in green during normal charging status.

SMART REPORTING

- a. Orange slow flashing:** the battery is too cold or hot. When the battery has reached the charging temperature of 32°F to 130°F, the charging will initiate.
- b. X- Red rapid flashing:** remove the battery from the charger and re-insert. If the display continues to flash, the battery is faulty. Replace battery.
- c. Leaving the Battery Pack In the Charger:** The charger and battery pack can be left connected with the charge indicator showing pack charged.

CHARGING

1. Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65°F – 75°F (18 °C–24 °C).

DO NOT charge when the battery pack is below +40°F (+4.5°C), or above +104°F (+40°C). This is important and will prevent serious damage to the battery pack.

2. The charger and battery pack may become warm to the touch while charging. This is a normal condition and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed or an uninsulated trailer.

If the battery pack does not charge properly:

- a.** Check operation of receptacle by plugging in a lamp or other appliance.
- b.** Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights
- c.** Move the charger and battery pack to a location where the surrounding air temperature is approximately 65°F – 75°F (18°C – 24°C)
- d.** If charging problems persist, contact Griot's Garage Customer Service at 800-345-5789

WALL MOUNTING

The 12V/20V Smart Charger is designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 1" (25.4 mm) long, with a screw head diameter of 0.28–0.35" (7–9 mm), screwed into wood to an optimal depth leaving approximately 7/32" (5.5 mm) of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

MAINTENANCE AND CARE

⚠ WARNING: To reduce the risk of injury, always unplug the Lithium-Ion Smart Charger before permitting any maintenance. Never disassemble the Lithium-Ion Smart Charger. Never immerse your charger in liquid or allow a liquid to flow inside.

Cleaning: ensure charger is free from internal buildup of dust and debris. Utilize an OSHA approved air nozzle to direct compressed air into vents. Wear appropriate personal safety equipment including safety glasses, hearing protection, and dust mask taking into consideration the associated products having been used. Griot's Garage® Citrus Multi-Purpose Cleaner is an excellent solution to cleaning grime and build up on the Power Supply. Simply apply cleaner to microfiber and agitate surface, wiping dry with a clean, dry microfiber towel. Never use flammable chemicals including gasoline, lacquer thinner, chlorinated solvents, ammonia, or other household cleaners as they may contribute to damage to the body components.

DISPOSAL INFORMATION

⚠ WARNING: Do not throw electric power tools into the household waste, fire, or water. Dispose of Power Inverter in accordance with Federal, State, and local law. Recycle machines, accessories, and packaging at an environmentally responsible recycling center to reduce the risk associated with environmental contamination.

PRODUCT USE

All statements, usage recommendations, and technical information contained in this manual are based on tests or development that Griot's Garage has deemed reliable. However, many factors beyond Griot's Garage's control can affect the use and performance of this Griot's Garage product in a certain application, including conditions under which the Griot's Garage product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely in the user's knowledge and control, it is the responsibility of the user to evaluate the Griot's Garage product to determine whether it is suitable for a particular purpose and the user's method of application.

WARRANTY

Griot's Garage® Lifetime Guarantee: Griot's Garage will repair or replace any defective tool, without charge, due to faulty materials or workmanship for the working life of the tool, subject to certain exclusions below.

Six Month Satisfaction Guarantee: We want you to enjoy our quality product and have fun with it! If you are not 100% satisfied for any reason within six months of purchase, return it to point of sale with proof of purchase for a full refund or credit.

Exclusions: Griot's Garage® Lifetime Guarantee does not cover damage caused by failure to follow recommended maintenance, misuse, alteration, or abuse. Normal wear and tear are not considered a defect, therefore part failure which may occur as the result of ordinary use is excluded from coverage.

Limitation of Liability: In no event shall the monetary liability of company exceed amounts that have actually been paid to company. Griot's Garage® and its supplier is not liable for any damage or lost profit due to interruption in business caused by the product or by an unusable product. Company shall not be liable for consequential, indirect, special, or incidental damages under any circumstances, even if advised in advance of the possibility of such damages.

Answer to your questions: Call us at 800-345-5789, email us at customerservice@griotsgarage.com, or go to griotsgarage.com.



Have fun in your garage!®

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3333 South 38th Street, Tacoma, WA 98409 | 800-345-5789

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