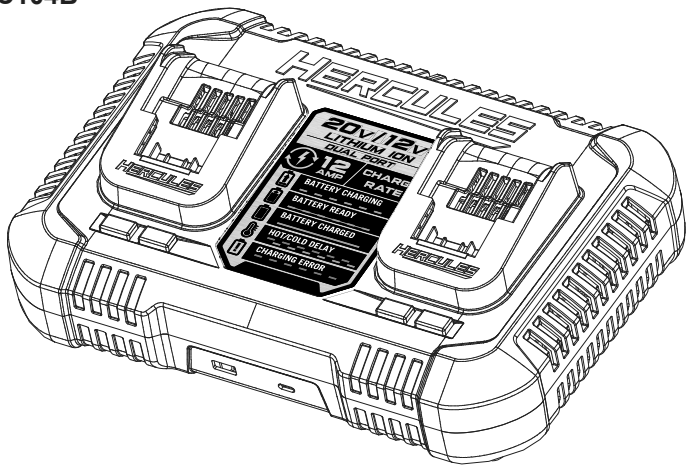
HERCULES™

Owner's Manual & Safety Instructions

26b

Model
HC104B



12A 12V/20V Dual Voltage Charger

⚠WARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.

When unpacking, make sure that the product is intact and undamaged.
If any parts are missing or broken, please call 1-800-444-3353
as soon as possible. Reference 71345.

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING

Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*
Save all warnings and instructions for future reference.
The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.
It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

1. Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using battery.
2. CAUTION – To reduce risk of injury, charge only 12V and 20V Hercules Li-Ion type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
3.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.** Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.
4. **Follow charging instructions.**
5. **Do not insert damaged battery pack.**
6. **Check frequently while charging.**
7. **Wear ANSI-approved safety goggles during use.**
8. **Use chargers only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
9. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery pack terminals together may cause burns or a fire.*
10. **Under abusive conditions, liquid may be ejected from the battery pack; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery pack may cause irritation or burns.*
11. Do not expose to rain or wet conditions. Indoor use only. Water entering a Charger will increase the risk of electric shock. Charge indoors only.
12. Inspect before every use; do not use if parts are loose or damaged.
13. Keep charging area clean and well lit. Cluttered or dark areas invite accidents.
14. Do not operate chargers in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Chargers create sparks which may ignite the dust or fumes.
15. Charger plugs must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
16. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the Charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
17. Store idle chargers out of the reach of children and do not allow persons unfamiliar with the Charger or these instructions to operate the Charger.
18. Maintain chargers. Check for breakage of parts and any other condition that may affect the Charger's operation. If damaged, have the Charger repaired before use.
19. Have your Charger serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the Charger is maintained.
20. Use as intended only.
21. Unplug after use and before service, cleaning or storage.
22. Maintain labels and nameplates on the Charger. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
23. This product is not a toy. Keep it out of reach of children.

24. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should properly maintain and inspect to avoid electrical shock.

Lithium Battery Safety Warnings



LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:

1. Keep Battery Pack dry.
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
   - **Open,**
   - **Drop,**
   - **Short-circuit,**
   - **Puncture,**
   - **Incinerate, or**
   - **Expose to temperatures greater than 140°F.**
3. Charge Battery Pack only according to instructions.
4. Inspect Battery Pack before every use; do not use or charge if damaged.

SAVE THESE INSTRUCTIONS

Grounding

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Extension cords must not be used with this Charger.

Warning Symbols and Definitions

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER **Indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

⚠WARNING **Indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

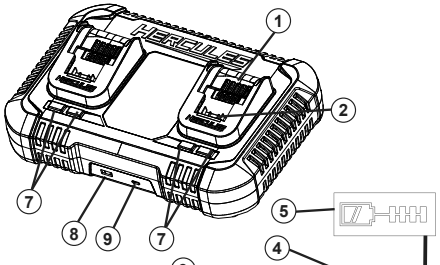
⚠CAUTION **Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

NOTICE **Addresses practices not related to personal injury.**

Symbology

	Double Insulated
V	Volts
~	Alternating Current
A	Amperes
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use.
	WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only.
	WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.

FUNCTIONAL DESCRIPTION



1. Bay
2. Charge Terminals
3. Release Button
4. Battery Terminals
5. Charge Gauge Button
6. Charge Gauge
7. Charge Indicators
8. USB-A Port
9. USB-C Port

SPECIFICATIONS

Input Rating	120VAC / 60Hz / 680W
Output	20VDC / 12A
USB-A	5V / 2.4A
USB-C	5V / 3A, 9V / 3A, 15V / 2A, 20V / 1.5A
Battery Type	Li-ion
Recommended Ambient Charging Temperature	50 - 140°F

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

OPERATING INSTRUCTIONS

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: The Battery Pack does not need to be completely discharged before charging. It will not develop a "memory" if charged while still partially full.

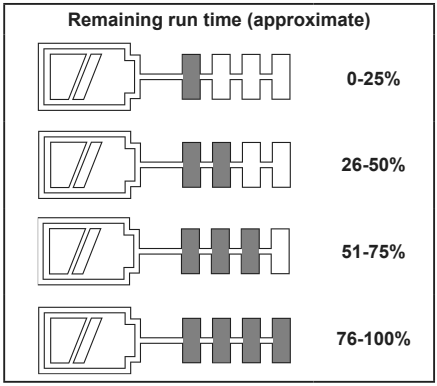
Charge Indicators

CHARGING Red Off Green Flashing	
BATTERY READY Red Off Green Pulsing	
CHARGED Red Off Green Constant	
HOT/COLD DELAY Red Flashing Green Flashing	
PROBLEM PACK OR CHARGER Red Flashing Green Off	

Note: If the Battery Pack is hot or cold, charging will start automatically once the Battery Pack reaches the correct temperature.

Charge Gauge

Press the Charge Gauge Button on the Battery to check its level.



Charging

1. Place the Battery Pack on a dry fireproof surface in a room where the temperature is between 50–104° F.

Note: If recharging a newly spent Battery Pack, allow it to cool completely before charging.

2. Examine the Battery Pack. It must be undamaged, and a 12 or 20 volt, Lithium-ion type Battery Pack. **Do not charge a cracked, open, or leaking Battery Pack, or charge a non-recommended type of Battery Pack.**
3. The Battery Pack's terminals are designed to fit this Charger specifically. If the Battery Pack does to not fit the Charger properly, do not try to insert it. **Do not force a Battery Pack into the Charger.**
4. Plug the Charger into a grounded, 120VAC, 60Hz receptacle.
5. Slide the Battery Pack onto the Charger.
6. While charging, the Battery Pack and Charger may become warm to the touch. This is normal, and does not indicate a problem.
7. Allow the Battery Pack to cool completely before using it.
8. Unplug the Charger and remove Battery Pack.

MAINTENANCE AND SERVICING

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Remove the Battery Pack and unplug the charger before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If damage is noted, have the problem corrected before further use.

1. **BEFORE EACH USE,** inspect the general condition of the charger. Check for:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts,
   - damaged electrical wiring, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the charger with clean cloth.
3. LI-ION BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. Do not short, incinerate or open battery.
4. Disconnect Battery Pack and store Charger and any Battery Packs in a dry, indoor area at room temperature out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

WARNING! TO PREVENT SERIOUS INJURY AND DEATH FROM ELECTRIC SHOCK: Do not open Charger. Do not service internal parts.

Record Product's Date Code Here:_____

Note: If product has no Date Code, record month and year of purchase instead.

Replacement parts are not available.

Note: Some parts are listed and shown for illustration purposes only. Specify UPC 193175546104 when ordering parts.

3-YEAR LIMITED WARRANTY

This Hercules tool is warranted to the original purchaser to be free from defects in materials and workmanship for a period of three (3) years beginning on the date of purchase. To obtain warranty service, visit your local Harbor Freight retail store. Warranty registration is not required. The product or part must be returned to us with proof of purchase (e.g. in-store receipt or packing slip/invoice) and may require shipment by purchaser to a service center at purchaser's expense. If our inspection verifies a covered defect in materials or workmanship during the warranty period, we will, at our option, repair or replace the defective product. We will return repaired products within a reasonable time at our expense, but if we determine that there is no defect, or that the defect resulted from causes not within the scope of our warranty, then we will return the product to you if you pay return shipping costs.

This warranty does not cover any failure or damage that we determine is due directly or indirectly to normal wear and tear, misuse, use not for the intended purpose or not in accordance with the product manual, abuse, accident, rental, modification or alteration, unauthorized repair, improper installation, neglect, lack of maintenance, or any other failure not arising from defective materials or workmanship. Fraudulent returns or claims will be denied. The repair or replacement described in this warranty shall be your sole and exclusive remedy. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL, AND ANY IMPLIED WARRANTIES ARE DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND OTHERWISE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. HARBOR FREIGHT SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR COSTS ARISING FROM THIS WARRANTY OR THE USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THESE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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Email our technical support at: productsupport@harborfreight.com
For technical questions, please call 1-800-444-3353

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