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› [Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp® LITE 20-Volt 2.5 Ah Lithium-Ion Battery User Manual](#)

Snow Joe IBAT20-LT-RM

Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp® LITE 20-Volt 2.5 Ah Lithium-Ion Battery User Manual

Model: iBAT20-LT-RM

INTRODUCTION

This manual provides essential information for the safe and effective use of your Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp® LITE 20-Volt 2.5 Ah Lithium-Ion Battery. Please read these instructions carefully before using the battery and retain them for future reference. This battery is designed to power compatible Snow Joe® and Sun Joe® 20V cordless tools.

IMPORTANT SAFETY INSTRUCTIONS

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

- Always use the battery with compatible Snow Joe® and Sun Joe® 20V tools and chargers.
- Do not immerse the battery in water or other liquids.
- Do not store or use the battery in temperatures exceeding 104°F (40°C).
- Do not incinerate the battery, even if it is severely damaged or completely worn out. The battery can explode in a fire.
- Do not short-circuit the battery terminals.
- Do not open, disassemble, or attempt to repair the battery pack.
- Keep the battery away from children.
- Dispose of used batteries responsibly according to local regulations.

PRODUCT FEATURES

- 20 V Lithium-Ion Technology: High capacity cells provide consistent power.
- No Memory Effect: Charge at any time without needing to fully drain the battery.
- Cord-Free Operation: Eliminates the need for gas, oil, pull-cords, or extension cords.
- Eco-Friendly: Produces zero emissions during operation.
- Reliable Performance: 2.5 Ah (50 Wh) capacity. Run-time varies by tool and task.
- Fuel Gauge Indicator: Integrated lights to monitor charge capacity.



SNOWJOE



SNOWJOE

Model
iBAT20-LT

20 V 2.5 Ah ECOSHARP® LITE
LITHIUM-ION BATTERY



Figure 1: Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp LITE Lithium-Ion Battery, front view. This image shows the overall design and branding of the battery pack.

SETUP AND INITIAL USE

1. **Unpacking:** Carefully remove the battery from its packaging. Inspect for any signs of damage.
2. **Initial Charge:** Before first use, fully charge the battery using a compatible Snow Joe®/Sun Joe® iCHRG20 charger. Refer to the "Charging the Battery" section for detailed instructions.
3. **Inserting into Tool:** Align the battery pack with the battery port on your compatible 20V Snow Joe® or Sun Joe® tool. Slide the battery into the tool until it clicks securely into place. Ensure it is firmly seated before operation.
4. **Removing from Tool:** To remove the battery, press and hold the battery release button (if present on your tool) and slide the battery out of the tool.

CHARGING THE BATTERY

The iBAT20-LT-RM battery must be charged using a dedicated Snow Joe®/Sun Joe® iCHRG20 charger. Do not use any other charger.

1. **Connect Charger:** Plug the iCHRG20 charger into a standard electrical outlet.
2. **Insert Battery:** Slide the iBAT20-LT-RM battery pack into the charger. Ensure it is properly seated.
3. **Monitor Charge:** The charger will indicate the charging status (refer to your charger's manual for specific light indicators). The battery's fuel gauge lights will also illuminate to show the charge level.
4. **Full Charge:** Once fully charged, remove the battery from the charger. The battery has no memory effect, so it can be charged at any time without needing to be fully drained.



Figure 2: Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp LITE Lithium-Ion Battery, showing the fuel gauge indicator lights. These lights provide a visual representation of the battery's current charge level.

OPERATING THE BATTERY

Once the battery is charged and securely inserted into a compatible Snow Joe® or Sun Joe® 20V tool, the tool is ready for operation. The battery's fuel gauge indicator lights allow you to monitor the remaining charge during use.

- **Run-Time:** The actual run-time of the battery will vary depending on the specific tool being used and the demands of the task. The 2.5 Ah capacity typically provides up to 50 minutes of operation in ideal conditions.
- **Monitoring Charge:** Periodically check the fuel gauge on the battery to avoid unexpected power loss during a task.
- **Overload Protection:** The battery pack is designed with protection features. If the tool stops unexpectedly, remove the battery, allow it to cool, and then reinsert it. If the issue persists, consult the tool's manual or contact customer support.

MAINTENANCE AND STORAGE

- **Cleaning:** Keep the battery pack clean and free of debris. Use a dry cloth to wipe down the exterior. Do not use liquids or solvents.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to store the battery with approximately 65% charge. The iBAT20-LT-RM can retain up to 65% charge for six months in storage.
- **Avoid Freezing:** Do not store the battery in freezing temperatures.
- **Regular Charging:** For optimal battery life, if stored for extended periods, recharge the battery every 3-6

months to maintain a partial charge.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; Battery not properly seated; Faulty charger or battery.	Ensure charger is plugged into a live outlet. Re-seat battery firmly in charger. Test with another compatible battery/charger if available. Contact support if issue persists.
Tool not operating with battery	Battery not charged; Battery not properly inserted; Tool malfunction.	Check battery charge level using the fuel gauge. Ensure battery is fully inserted and clicked into place. Test battery in another compatible tool. Consult tool's manual for troubleshooting.
Reduced run-time	Battery not fully charged; Battery aging; Heavy load on tool.	Ensure battery is fully charged before use. Battery capacity naturally decreases over time. Reduce load on the tool if possible.

SPECIFICATIONS

Specification	Value
Model Number	iBAT20-LT-RM
Battery Voltage	20 Volt
Battery Capacity	2.5 Ah (50 Wh)
Battery Type	Lithium-Ion
Item Weight	0.8 lbs (15.8 ounces)
Product Dimensions	3.5 x 2 x 5 inches
Recommended Charger	Snow Joe®/Sun Joe® iCHRG20
Compatible Tools	All Snow Joe® and Sun Joe® 20V cordless models

WARRANTY AND SUPPORT

This Snow Joe + Sun Joe iBAT20-LT-RM EcoSharp® LITE Lithium-Ion Battery is a Certified Refurbished product and comes with a **90-Day Warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use.

For warranty claims, technical support, or questions regarding your product, please contact Snow Joe® + Sun Joe® customer service. Please have your model number (iBAT20-LT-RM) and proof of purchase available when contacting support.

For the most up-to-date contact information, please visit the official Snow Joe® + Sun Joe® website or refer to the documentation included with your original purchase.

