

Snow Joe ION100V-21SB-CT

Snow Joe ION100V-21SB-CT 21-Inch 100-Volt Max 5Ah Brushless Lithium-iON Cordless Snow Blower Instruction Manual

Brand: Snow Joe | **Model:** ION100V-21SB-CT

1. INTRODUCTION

The Snow Joe ION100V-21SB-CT is a 21-inch 100-volt Max 5Ah brushless lithium-ion cordless snow blower designed for efficient snow clearing. This model is sold as a "Tool Only" unit, meaning the 100-volt 5.0 Ah battery and charger are sold separately. It features a powerful 2800 W brushless motor, dual 2.5 W LED headlights, auger-assisted drive, and an integrated scraper bar. The digital control 180° auto-rotate chute allows for precise snow placement, throwing snow up to 30 feet away. Its collapsible handle ensures compact storage and transport.

2. SAFETY INFORMATION

Always read and understand the entire instruction manual before operating the snow blower. Failure to follow safety instructions can result in serious injury. Keep hands, feet, and clothing away from moving parts. Wear appropriate personal protective equipment, including eye protection and sturdy footwear. Ensure the work area is clear of debris and other individuals. Never operate the unit without all guards and safety devices in place.

3. PACKAGE CONTENTS

The ION100V-21SB-CT "Tool Only" package includes the following components:

- Snow Blower Unit (ION100V-21SB-CT)
- Handle Assembly (upper and lower sections)
- Discharge Chute
- Crank Pole (for chute rotation)

- Mounting Hardware (knobs, bolts, clips)
- Instruction Manual

Note: Battery and charger are sold separately for this "Tool Only" model.

4. SETUP

4.1 Handle Assembly

1. Attach the lower handle section to the main unit using the provided bolts and orange connection knobs. Ensure the flat side of the handle aligns with the curve of the unit.
2. Attach the upper handle section (with controls) to the lower handle using the remaining orange connection knobs.
3. Secure any loose cables along the handle using the retainer clips provided. Pliers may be helpful to open the clips.
4. Adjust the handle height to a comfortable operating position by loosening the knobs, sliding the handle, and re-tightening.

4.2 Chute Assembly

1. Align the discharge chute with the opening on the snow blower unit.
2. Insert the chute into the opening, ensuring the tabs align and it drops into place.
3. Rotate the chute until it is tight and the hole on the chute aligns with the bolt hole on the unit.
4. Insert the provided bolt with the plastic piece into the aligned holes and tighten to secure the chute.
5. Attach the crank pole to the chute mechanism and the handle for remote chute rotation.

4.3 Battery Installation (Batteries Sold Separately)

1. Open the battery compartment cover on the snow blower unit.
2. Insert a fully charged Snow Joe 100-Volt 5.0 Ah lithium-ion battery into the designated slot until it clicks securely into place.
3. If using a second battery for extended runtime (sold separately), insert it into the second slot.
4. Close the battery compartment cover.

5. OPERATING INSTRUCTIONS

5.1 Starting the Snow Blower

1. Ensure a fully charged 100-Volt 5.0 Ah battery is installed.
2. Press and hold the safety button on the handle.
3. While holding the safety button, pull the lever towards the handle to start the unit. Release the safety button once the unit is running.

5.2 Clearing Snow

- The auger-assisted drive helps propel the unit forward through snow, reducing effort.

- The unit clears a path 21-inches wide and 12-inches deep.
- The integrated scraper bar at the base allows for clearing snow down to the ground without damaging surfaces.

5.3 Chute Control

Use the digital control 180° auto-rotate chute to direct snow up to 30 feet away. Adjust the chute direction as needed during operation to avoid throwing snow onto unwanted areas.

5.4 LED Headlights

Activate the dual 2.5 W LED headlights for increased visibility during nighttime or low-light snow removal.

6. BATTERY INFORMATION

This Snow Joe ION100V-21SB-CT model is sold as a "Tool Only" unit. The 100-Volt 5.0 Ah lithium-ion battery and compatible quick charger are sold separately. For optimal performance and extended runtime, it is recommended to use the specified 100-Volt 5.0 Ah battery. The unit supports the use of a second 5.0 Ah battery (sold separately) to achieve up to 60 minutes of maximum snow clearing power.

7. MAINTENANCE

- After each use, ensure the unit is turned off and the battery is removed.
- Clean any snow or debris from the auger and chute assembly.
- Inspect the auger and scraper bar for wear or damage. Replace parts as needed.
- Store the snow blower in a dry, protected area. The collapsible handle allows for compact storage.

8. TROUBLESHOOTING

- **Unit Not Starting:** Ensure the 100-Volt 5.0 Ah battery is fully charged and properly installed. Verify that the safety button is pressed before pulling the operating lever.
- **Reduced Snow Clearing Performance:** Check for any obstructions or clogs in the auger or discharge chute. Ensure the battery is fully charged.
- **Snow Not Throwing Far Enough:** Verify the discharge chute is clear of obstructions and correctly positioned.

9. SPECIFICATIONS

Brand	Snow Joe
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Model	ION100V-21SB-CT
Power Source	Battery Powered (100 Volts)
Motor	2800 W Brushless
Clearing Width	21 Inches
Clearing Depth	12 Inches
Throwing Distance	Up to 30 feet
Snow Clearing Rate	Up to 16 tons per charge (with 5.0 Ah battery)
LED Headlights	Dual 2.5 W
Item Weight	68.9 pounds (31.3 Kilograms)
Product Dimensions	37.5 x 23.75 x 19.25 inches
UPC	842470108998

10. WARRANTY AND SUPPORT

The Snow Joe ION100V-21SB-CT is backed by the Snow Joe + Sun Joe Customer Promise, which includes a full two-year warranty on new powered products from the date of purchase. For support or warranty claims, please refer to the contact information provided in your product's original packaging or visit the official Snow Joe website.

11. MEDIA GALLERY

11.1 Product Images



Image 1: Front view of the Snow Joe ION100V-21SB-CT cordless snow blower, showcasing its compact design and LED headlights.



Image 2: Side view of the Snow Joe ION100V-21SB-CT with its handle extended, highlighting the adjustable handle and chute mechanism.



Image 3: Angled side view of the Snow Joe ION100V-21SB-CT, showing the wheels and the overall profile of the unit.

11.2 Official Product Videos

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Video 1: Official product video showcasing the Snow Joe iON100V-21SB-CT 100-Volt iONPRO Cordless Brushless Variable Speed Single Stage Snowblower in action, demonstrating its features and snow clearing capabilities.