



Manuals.plus /

› LiTHELi /

› Litheli 13-Inch Cordless Snow Shovel (Model U20SS00-0A220) Instruction Manual

LiTHELi U20SS00-0A220

Litheli 13-Inch Cordless Snow Shovel (Model U20SS00-0A220) Instruction Manual

Your guide to safe and efficient snow removal.

1. INTRODUCTION

Thank you for choosing the Litheli 13-Inch Cordless Snow Shovel. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new snow shovel. Please read this manual thoroughly before first use and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of injury, read and understand all instructions before using this product.

- Avoid injury from rotating parts. Always keep hands, feet, and clothing away from moving parts.
- Use protective gloves and eye protection during operation.
- Handle and store the product and batteries properly to prevent accidents.
- Do not operate the snow shovel on slopes that are too steep for safe operation.
- Ensure the work area is clear of debris, rocks, or other objects that could be thrown by the machine.
- Always remove the battery when not in use, before cleaning, or performing maintenance.
- Do not expose the battery or charger to water or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Litheli 13-Inch Cordless Snow Shovel Unit
- Auxiliary Handle
- 2 x Lithium-Ion Batteries

- 2 x USB-C Charging Cables
- Instruction Manual



Image 3.1: The Litheli 13-inch cordless snow shovel, including the main unit, auxiliary handle, two batteries, and two charging cables.

4. ASSEMBLY

Follow these steps to assemble your Litheli Cordless Snow Shovel:

1. **Attach the Auxiliary Handle:** Secure the auxiliary handle to the main shaft at a comfortable height using the provided hardware. Ensure it is tightened firmly to prevent movement during operation.
2. **Insert the Battery:** Align the battery with the battery compartment on the snow shovel and slide it in until it clicks securely into place. Ensure the battery is fully seated before use.

5. CHARGING THE BATTERY

The Litheli snow shovel uses rechargeable Lithium-Ion batteries. Follow these instructions for proper charging:

1. **Retrieve Charging Cable:** Take out one of the provided USB-C charging cables.
2. **Connect to Battery:** Insert the USB-C end of the charging cable into the Type-C port located on the battery.
3. **Connect to Power Source:** Plug the other end of the charging cable into a compatible USB charger. For optimal charging speed (up to 45W), a high-power PD charger is recommended (charger not included).

The battery features indicator lights to show the charging status. A full charge typically takes approximately 2 hours with a 45W charger. Ensure batteries are fully charged before each use for maximum performance.

MULTI-SCENARIO USE



Image 5.1: Steps for charging the Litheli battery using a USB-C cable and a compatible charger.

6. OPERATION

Operating your Litheli Cordless Snow Shovel is straightforward. Always ensure you are wearing appropriate safety gear, including eye protection and gloves, before starting.

6.1 Starting the Snow Shovel

The snow shovel features a 2-step start mechanism for safety. Engage the safety button, then press the trigger to activate the motor. Release the trigger to stop the unit.

6.2 Clearing Snow

The Litheli snow shovel is designed for efficient snow removal with a **13-inch clearing width** and a recommended **6-inch clearing depth**. It can throw snow up to **20 feet**, making it suitable for various areas.



Image 6.1: The snow shovel demonstrating its 6-inch clearing depth and 13-inch clearing width.



Image 6.2: The snow shovel in operation, illustrating its capability to throw snow up to 20 feet.

6.3 Adjustable Chute

The snow shovel features an adjustable chute for multi-directional snow discharge. Use the adjustment lever to direct the snow stream away from cleared areas or desired locations.

ADJUSTABLE CHUTE

Multi-directional Snow Discharge



Image 6.3: Detailed view of the adjustable chute, allowing for multi-directional snow discharge.

6.4 Auxiliary Handle

The auxiliary handle can be adjusted to suit different user heights, providing comfortable and ergonomic operation.

6.5 Brushless Motor Technology

Equipped with a brushless motor, the Litheli snow shovel offers premium performance, high efficiency, extended motor life, and strong durability compared to brushed motors.

BRUSHLESS MOTOR

- Premium performance
- High efficiency
- Extended motor life
- Strong durability



*Compared With Brushed Motor

Image 6.4: Internal view of the brushless motor, highlighting its advanced design for superior performance.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your snow shovel.

- **Cleaning:** After each use, disconnect the battery and clean the snow shovel. Remove any snow, ice, or debris from the chute, auger, and housing. Use a damp cloth; do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Always remove batteries from the snow shovel after use. Store batteries in a warm, dry place, away from direct sunlight and extreme temperatures. Do not store batteries in the snow shovel if it is kept in cold conditions.
- **Storage:** Store the snow shovel in a dry, protected area when not in use. Ensure it is clean and free of moisture.
- **Inspection:** Periodically inspect the snow shovel for any signs of damage, loose fasteners, or worn parts. Replace damaged parts immediately.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Litheli Cordless Snow Shovel.

Problem	Possible Cause	Solution
Snow shovel does not start	Battery not inserted correctly Battery discharged Safety button not engaged	Ensure battery is fully seated Charge the battery fully Press safety button before trigger
Reduced snow throwing distance/performance	Low battery charge Wet, heavy snow Obstruction in chute/auger	Recharge battery Clear smaller paths, move slower Turn off, remove battery, clear obstruction
Battery not charging	Charging cable not connected properly Charger not compatible/faulty Battery too cold/hot	Ensure secure connections Use a compatible 45W charger Allow battery to reach room temperature

9. SPECIFICATIONS

Feature	Detail
Brand	LiTHELi
Model Number	U20SS00-0A220
Power Source	Battery Powered
Product Dimensions (D x W x H)	31" x 19.5" x 13.2"
Color	White, Black
Engine Type	Electric Brushless
Number of Speeds	1
Voltage	20 Volts
Ideal Snow Depth	6 Centimeters (approx. 2.36 inches)
UPC	740907584066
Clearing Width	13 Inches
Item Weight	24 pounds
Batteries	2 Lithium Ion batteries (included)

10. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the warranty card included with your product or visit the official Litheli website. Keep your proof of purchase for warranty claims.

