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LiTHELi U20SS04-1A120-QL-01

Litheli U20 20V 13-Inch Cordless Brushless Electric Snow Shovel Instruction Manual

Model: U20SS04-1A120-QL-01

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1. INTRODUCTION

Thank you for choosing the Litheli U20 20V 13-Inch Cordless Brushless Electric Snow Shovel. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new snow shovel. Please read this manual thoroughly before first use and keep it for future reference.

2. GENERAL SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the snow shovel.
- **Wear Appropriate Attire:** Always wear safety glasses or goggles, and appropriate footwear. Avoid loose clothing that could get caught in moving parts.
- **Keep Area Clear:** Ensure the area to be cleared is free of objects that could be thrown by the auger. Keep bystanders, children, and pets away from the operating area.
- **Avoid Hazardous Conditions:** Do not operate the snow shovel in wet conditions or on slippery surfaces without proper footing.
- **Inspect Before Use:** Check for damaged parts, loose fasteners, or any other condition that may affect safe operation.
- **Proper Storage:** Store the snow shovel in a dry, secure location out of reach of children when not in use.

3. PRODUCT OVERVIEW

The Litheli U20 20V 13-Inch Cordless Brushless Electric Snow Shovel is designed for efficient snow removal from driveways, sidewalks, decks, and patios. Its lightweight and ergonomic design ensures comfortable use.



Figure 1: Key components of the Litheli 13-inch Snow Shovel, including the Auxiliary Handle, Battery Release Button, Lock-off Button, On/Off Switch, Battery Compartment, Auger, and Scraper Blade.



Figure 2: The Litheli Snow Shovel demonstrating its 6-inch clearing depth and 13-inch clearing width capabilities in snow.

4. SETUP

The Litheli snow shovel is designed for easy assembly. Follow these steps to prepare your tool for use:

- 1. Handle Assembly:** Attach the auxiliary handle to the main shaft. Ensure all fasteners are securely tightened.
- 2. Battery Installation:** Slide the fully charged 20V lithium-ion battery into the battery compartment until it clicks securely into place.
- 3. Adjust Handle:** Adjust the handle to a comfortable height to reduce back strain during operation.



Figure 3: The snow shovel features a foldable design for quick and compact storage, ideal for smaller spaces.

5. BATTERY INFORMATION

Your Litheli snow shovel is powered by a 20V lithium-ion battery, providing up to 35 minutes of runtime on a single charge. The battery also functions as a 20000 mAh portable power bank and is compatible with all Litheli U20 series products.

- **Charging:** Use the provided charger to fully charge the battery before each use. Refer to the charger's manual for specific charging instructions.
- **Installation/Removal:** To install, align the battery with the compartment and slide it in until it locks. To remove, press the battery release button and slide the battery out.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.



Figure 4: The versatile 20V Litheli battery can also serve as a 20000 mAh portable power bank for charging devices.

6. OPERATING INSTRUCTIONS

Follow these guidelines for effective and safe snow removal:

- 1. Starting the Unit:** Press the lock-off button and then pull the on/off switch to start the snow shovel.
- 2. Clearing Snow:** Push the snow shovel forward at a steady pace. It can clear a path 13 inches wide and up to 6 inches deep, throwing snow up to 20 feet away.
- 3. Optimal Use:** This snow shovel is ideal for light to medium snow on driveways, sidewalks, decks, and patios. For very heavy or wet snow, multiple passes or a traditional snow blower may be more effective.
- 4. Quiet Operation:** The brushless motor ensures quiet operation, making it suitable for early morning use without disturbing others.



CLEARS UP TO
A 4-CAR DRIVEWAY
ON A SINGLE CHARGE

Figure 5: The Litheli snow shovel is capable of clearing a 4-car driveway on a single battery charge, demonstrating its efficiency for residential use.

MULTI-APPLICATION



DRIVEWAYS



PORCHES, DECKS, PATIOS



SIDEWALKS, WALKWAYS

Figure 6: The snow shovel is versatile for various snow removal tasks, including driveways, porches, decks, patios, sidewalks, and walkways.

7. MAINTENANCE

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

- **Cleaning:** After each use, remove any snow, ice, or debris from the auger and housing. Use a damp cloth to wipe down the exterior. Do not use harsh chemicals.
- **Inspection:** Periodically check the auger for wear or damage. Ensure all screws and fasteners are tight.
- **Storage:** Store the snow shovel in a dry, covered area. The foldable design allows for compact storage.

8. TROUBLESHOOTING

If you encounter issues with your Litheli snow shovel, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not start	Battery not charged or improperly installed. Lock-off button not pressed before trigger.	Ensure battery is fully charged and correctly seated. Press lock-off button then pull the on/off switch.
Reduced snow throwing distance	Heavy/wet snow. Auger clogged. Low battery charge.	Make slower, shallower passes. Clear any clogs from the auger (ensure unit is off and battery removed). Recharge battery.
Excessive vibration	Loose components. Damaged auger.	Check all fasteners for tightness. Inspect auger for damage; replace if necessary.

9. SPECIFICATIONS

Feature	Specification
Brand	LiTHELi
Model Number	U20SS04-1A120-QL-01
Power Source	Battery Powered
Voltage	20 Volts
Battery Type	Lithium Ion (4.0 Ah included)
Product Dimensions	9"D x 13.5"W x 57"H
Item Weight	10.3 Pounds
Clearing Width	13 Inches
Ideal Snow Depth	6 Inches
Snow Throwing Distance	Up to 20 feet
UPC	810200212406

10. WARRANTY & SUPPORT

Litheli stands behind the quality of its products. Your Litheli U20 20V 13-Inch Cordless Brushless Electric Snow Shovel comes with a comprehensive warranty:

- **Tool Warranty:** 3-year limited warranty on the snow shovel tool.
- **Battery Pack Warranty:** 1-year limited warranty on the battery pack.

For warranty claims, technical support, or any questions regarding your product, please contact Litheli customer service. Refer to the product packaging or the official Litheli website for the most current contact information.

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