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LITHELi EGT090042-002

Litheli 20V Cordless Snow Shovel

MODEL: U20 13" BRUSHLESS (EGT090042-002)

Introduction

Thank you for choosing the Litheli 20V Cordless Snow Shovel. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your snow shovel. Please read this manual thoroughly before first use and retain it for future reference.

Important Safety Information

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 keep hands and other body parts away from the snow shovel's rotating parts.
- Be aware of your surroundings and other people while operating the snow shovel.
- Use caution when operating in slippery or icy conditions.
- Store the snow shovel in a dry place away from extreme temperatures to ensure its durability and longevity.
- Always follow the manufacturer's instructions for safe operation and maintenance.
- Wear appropriate personal protective equipment, including eye protection and sturdy footwear, during operation.
- Ensure the battery is removed before performing any maintenance or cleaning.

Package Contents

Verify that all items are present and undamaged upon unpacking:

- Litheli 20V Cordless Snow Shovel Unit
- 4.0Ah Lithium-ion Battery
- Instruction Manual

Note: Charger may be sold separately or included depending on the specific product package.

Assembly

The Litheli 20V Cordless Snow Shovel requires minimal assembly. Follow these steps:

1. **Attach the Auxiliary Handle:** Secure the auxiliary handle to the main shaft at a comfortable height using the provided hardware.
2. **Connect the Upper and Lower Shafts:** Align the two sections of the shaft and secure them firmly.
3. **Insert the Battery:** Ensure the battery is fully charged before inserting it into the battery compartment.



Figure 1: Labeled components of the Litheli 13-inch Snow Shovel.

This diagram illustrates the key components of your snow shovel, including the auxiliary handle, battery compartment, and operating controls.

Charging the Battery

The included 4.0Ah lithium-ion battery powers your snow shovel. For optimal performance, ensure the battery is fully charged before each use.

1. Remove the battery from the snow shovel by pressing the Battery Release Button and sliding it out of the compartment.
2. Connect the battery to a compatible Litheli 20V charger (not always included).
3. Allow the battery to charge until the indicator lights show a full charge.
4. The 4.0Ah battery also functions as a 20,000 mAh portable power bank, compatible with all Litheli U20 series tools.

Operation

To operate the snow shovel:

1. Ensure the battery is securely inserted into the battery compartment.
2. Press the Lock-off Button, then squeeze the On/Off Switch to start the unit. Release the On/Off Switch to stop.
3. Push the snow shovel forward into the snow. The 13-inch clearing width and 6-inch clearing depth are designed for efficient snow removal.
4. The brushless motor provides strong torque, throwing snow up to 20 feet.



Figure 2: The snow shovel offers a 6-inch clearing depth and 13-inch clearing width.



Figure 3: The snow shovel can throw snow up to 20 feet.

This snow shovel is ideal for clearing driveways, sidewalks, decks, and patios, handling light-to-medium snowfall effectively.

MULTI-APPLICATION



DRIVEWAYS



PORCHES, DECKS, PATIOS



SIDEWALKS, WALKWAYS

Figure 4: Multi-application use for driveways, porches, decks, patios, sidewalks, and walkways.

The ergonomic and lightweight design (approximately 9 lbs) reduces fatigue, making it easy to maneuver even during longer tasks.

Maintenance

Regular maintenance ensures the longevity and performance 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 inspect the auger, scraper blade, and handle for any signs of wear, damage, or loose fasteners. Replace worn parts as needed.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery for extended periods.

Storage

Proper storage helps protect your snow shovel during off-season periods:

- Clean the unit thoroughly before storage.
- Remove the battery from the snow shovel and store it separately in a dry location at room temperature.
- The snow shovel features a foldable design for quick and compact storage. Fold the handle down to minimize space.
- Store the snow shovel in a dry, covered area, away from direct sunlight and extreme temperatures.



Figure 5: Foldable design allows for compact storage in small spaces like a garage.

Troubleshooting

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Snow shovel does not start	Battery not charged or improperly inserted; Lock-off button not pressed.	Ensure battery is fully charged and correctly inserted. Press Lock-off button before On/Off switch.
Reduced snow clearing performance	Auger clogged with snow/ice; Battery charge low; Snow too deep/heavy.	Clear auger (with battery removed). Recharge battery. Operate in shallower passes for heavy snow.
Unit stops during operation	Overload protection activated; Battery depleted.	Reduce load on the auger. Recharge or replace battery.

If you encounter issues not listed here or if problems persist, please contact Litheli customer support.

Specifications

Feature	Detail
Brand	LiTHELi
Model Number	EGT090042-002
Power Source	Battery Powered
Voltage	20 Volts
Clearing Width	13 Inches
Ideal Snow Depth	6 Inches
Item Weight	10.3 Pounds
Product Dimensions (DxWxH)	13.6"D x 9.1"W x 57.1"H
Engine Type	Brushless Electric
Battery Type	Lithium-ion (4.0Ah included)

Warranty and Support

Litheli stands behind the quality of its products:

- **Tool Warranty:** This snow shovel is backed by a 3-year tool warranty.
- **Battery Warranty:** The included 4.0Ah battery comes with a 1-year warranty.

For warranty claims, technical support, or replacement parts, please visit the official Litheli website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty validation.

