

## LiTHELi U20 13" 40V Brushless

# Litheli 40V Cordless Snow Shovel U20 13-Inch Brushless - Instruction Manual

Model: U20 13" 40V Brushless (EGT090041-002)

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## 1. IMPORTANT SAFETY INFORMATION

Always read and follow the instructions manual before operating. Keep hands and other body parts away from the adjustable handle when adjusting. This product is a powerful tool and should be handled with care to prevent injury.

### General Safety Precautions:

- Wear appropriate personal protective equipment (PPE) such as safety glasses and sturdy footwear.
- Ensure the work area is clear of debris, rocks, or other objects that could be thrown by the snow shovel.
- Do not operate the snow shovel on slopes that are too steep.
- Keep children and pets away from the operating area.
- Never leave the snow shovel unattended while it is running.
- Disconnect the battery before performing any maintenance or cleaning.

## 2. PRODUCT OVERVIEW

The Litheli 40V (2x20V) Cordless Snow Shovel is designed for efficient snow removal from driveways, sidewalks, decks, and patios. It features a brushless motor for enhanced performance and durability.

### Key Features:

- **Strong Snow-Clearing Power:** Removes up to 6 inches deep and throws snow up to 25 feet. The brushless motor provides stronger torque, higher efficiency, and a longer lifespan.
- **Ergonomic & Lightweight Design:** Weighs only 10 lbs, making it easy to lift and maneuver. The adjustable

handle reduces back fatigue and offers a comfortable grip.

- **Quiet Operation:** Battery-powered design ensures low noise, suitable for early mornings or late nights in residential areas.
- **Multi-functional Battery:** Powered by Litheli's 40V (2x20V) lithium-ion battery, providing up to 30 minutes of runtime. The included 4.0Ah battery can also function as a 20,000 mAh portable power bank and is compatible with all Litheli U20 series tools.
- **Durable, Winter-Ready:** Constructed with rugged materials to withstand harsh winter conditions.



Image: The Litheli 40V Cordless Snow Shovel in action, clearing a path through snow.

### 3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your Litheli Cordless Snow Shovel:

**Litheli**

# 13" Snow Shovel 4.0 Ah Battery



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

- **Battery Compartment:** Houses the 40V (2x20V) lithium-ion battery.
- **Battery Release Button:** Used to remove the battery from the compartment.
- **On/Off Switch:** Activates and deactivates the snow shovel.
- **Lock-off Button:** A safety feature that must be pressed before the On/Off switch can be engaged.
- **Auxiliary Handle:** Provides an additional grip point for better control and maneuverability.
- **Auger:** The rotating blade that collects and throws snow.
- **Scraper Blade:** Located at the bottom front, it helps clear snow down to the surface.

## 4. SETUP AND ASSEMBLY

Your Litheli snow shovel requires minimal assembly. Follow these steps to prepare your tool for use:

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all components listed in the manual are present.
2. **Attach Handle:** Connect the upper and lower handle sections. Ensure they are securely fastened using the provided hardware.
3. **Adjust Auxiliary Handle:** Loosen the adjustment knob on the auxiliary handle, position it for comfortable operation, and then tighten the knob securely.
4. **Charge Battery:** Fully charge the 40V (2x20V) battery using the Litheli charger (sold separately if not included in your kit). The battery indicator lights will show charging status.
5. **Insert Battery:** Once fully charged, slide the battery into the battery compartment until it clicks securely into place. Ensure the battery release button is engaged.

*Note: Some models may come partially assembled. Refer to the detailed assembly diagrams in your printed manual for specific instructions.*

## 5. OPERATING INSTRUCTIONS

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Before operating, ensure you have read and understood all safety warnings. Always wear eye protection and appropriate winter clothing.

### Starting the Snow Shovel:

1. Ensure the battery is fully charged and securely inserted.
2. Grip the main handle firmly with one hand and the auxiliary handle with the other.
3. Press and hold the **Lock-off Button**.
4. While holding the Lock-off Button, squeeze the **On/Off Switch** to start the motor. Release the Lock-off Button once the motor starts.

### Clearing Snow:

- Push the snow shovel forward at a steady, moderate pace. Avoid forcing the unit through heavy snow.
- The shovel is designed to clear snow up to 6 inches deep and 13 inches wide. For deeper snow, clear in multiple passes.
- Direct the thrown snow away from windows, vehicles, and other people. The snow can be thrown up to 25 feet.
- Work in overlapping paths to ensure complete snow removal.
- For optimal performance, clear snow as soon as possible after a snowfall.



Image: The snow shovel demonstrating its clearing capabilities, showing a 6-inch clearing depth and 13-inch clearing width.





CLEAR UP TO  
**A 5-CAR DRIVEWAY**  
ON A SINGLE CHARGE

Image: A person using the snow shovel, illustrating its maximum snow throwing distance of 25 feet.

# MULTI-APPLICATION



DRIVEWAYS



PORCHES, DECKS, PATIOS



SIDEWALKS, WALKWAYS

Image: A person clearing a driveway, indicating the snow shovel's capability to clear a 5-car driveway on a single charge.

## Stopping the Snow Shovel:

- Release the On/Off Switch to stop the motor.
- Always remove the battery when the tool is not in use or before making any adjustments or cleaning.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your snow shovel. Always disconnect the battery before performing any maintenance.

- **Cleaning:** After each use, remove any snow, ice, or debris from the auger, housing, and scraper blade. Use a damp cloth; do not use harsh chemicals or abrasive cleaners.
- **Blade Inspection:** Periodically inspect the auger and scraper blade for wear or damage. Replace worn parts as



necessary to maintain clearing efficiency.

- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store batteries in a discharged state for extended periods.
- **Storage:** When not in use, store the snow shovel in a dry, protected area. The foldable design allows for compact storage.



## FOLDABLE DESIGN FOR QUICK AND COMPACT STORAGE

Image: The snow shovel in its folded configuration, demonstrating its compact storage capability in a garage setting.

### 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Snow shovel does not start.	Battery not inserted correctly or discharged. Lock-off button not pressed.	Ensure battery is fully charged and securely inserted. Press the lock-off button before squeezing the On/Off switch.
Reduced snow throwing distance or clogged auger.	Wet, heavy snow. Auger or chute clogged with snow/ice.	Clear snow in smaller passes. <b>Turn off the unit and remove the battery</b> before clearing any clogs from the auger or chute using a non-metallic tool.
Motor stops during operation.	Overload protection activated. Battery low.	Reduce the load by taking smaller passes. Check battery charge and replace with a fully charged battery if necessary.

If the problem persists after trying these solutions, please contact customer support.

## 8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	LiTHELi
Model Number	EGT090041-002
Power Source	Battery Powered (40V, 2x20V)
Product Dimensions	13.8"D x 9.1"W x 59.4"H
Item Weight	11.78 Pounds
Clearing Width	13 Inches
Ideal Snow Depth	6 Inches
Engine Type	Electric Brushless
Battery Type	Lithium-ion (4.0Ah included)
UPC	810200213670

## 9. WARRANTY AND SUPPORT

The Litheli 40V Cordless Snow Shovel comes with a comprehensive warranty to ensure your peace of mind:

- **Tool Warranty:** 3-year limited warranty.
- **Battery Warranty:** 1-year limited warranty.

For warranty claims, technical assistance, or any product-related inquiries, please visit the official Litheli store or contact

their customer support directly.

Official Litheli Store: [Visit Litheli Store on Amazon](#)

