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**LITHELi U20LM00-0A220**

# Litheli 13 Inch Cordless Lawn Mower U20 Series User Manual

MODEL: U20LM00-0A220

## 1. Introduction

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Thank you for choosing the Litheli 13 Inch Cordless Lawn Mower, U20 Series. This electric lawn mower is designed for efficient and convenient lawn care, featuring a powerful brushless motor and a lightweight, foldable design. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new lawn mower.

# 13" LARGE WORKING WIDTH

Efficient Lawn Care-30% Time Saving Portable Operation



Figure 1: Litheli 13 Inch Cordless Lawn Mower

## 2. Safety Information

Always read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Read the Manual:** Familiarize yourself with all controls and proper use of the appliance.
- **Wear Appropriate Attire:** Always wear safety glasses or goggles, long pants, and sturdy footwear. Avoid loose clothing that could get caught in moving parts.
- **Clear the Area:** Before mowing, clear the area of objects such as rocks, sticks, wires, bones, and other debris that could be thrown by the blade.
- **Keep Bystanders Away:** Do not allow children or bystanders in the area while operating the mower.
- **Avoid Wet Grass:** Do not operate the mower in wet grass, as this can cause slipping and reduce cutting efficiency.
- **Handle Slopes with Caution:** Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes.

- **Battery Safety:** Use only the specified battery packs. Do not expose battery packs to water or extreme temperatures.
- **Maintenance:** Regularly inspect the blade for damage and ensure all nuts, bolts, and screws are tight.

### 3. What's in the Box

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Your Litheli 13 Inch Cordless Lawn Mower package includes the following items:

- 1 x Litheli Electric Mower (Cordless)
- 2 x Litheli 4.0Ah Rechargeable Lithium-Ion Batteries
- 1 x Product Instruction Manual (this document)
- 1 x Grass Collection Bag (8-gallon capacity)
- Assembly Hardware (screws, clips for handle assembly)

### 4. Setup

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#### 4.1 Unboxing and Assembly

Follow these steps to assemble your lawn mower:

1. Carefully remove all components from the packaging.
2. Unfold the lower handle section and secure it to the mower base using the provided hardware.
3. Attach the upper handle section to the lower handle, ensuring all cables are properly routed and secured with clips.
4. Attach the grass collection bag to the rear of the mower.

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Video 1: Litheli U20 Brushless Lawn Mower Unboxing and Assembly Guide. This video demonstrates the step-by-step process of unboxing and assembling the Litheli U20 Series lawn mower, including attaching the handle and grass bag.

#### 4.2 Battery Installation

The mower is powered by two 4.0Ah 20V lithium-ion batteries. To install:

1. Open the battery compartment cover located on top of the mower.
2. Insert both fully charged batteries into their respective slots until they click into place.
3. Close the battery compartment cover securely.



Figure 2: Secure Battery Compartment

## 5. Operating Instructions

### 5.1 Adjusting Cutting Height

The mower offers 5 height adjustments, from 1 inch to 2.5 inches. To adjust:

1. Ensure the mower is turned off and the battery is removed for safety.
2. Locate the height adjustment lever on the side of the mower.
3. Pull the lever outwards and move it to the desired cutting height setting (1-5).
4. Release the lever to lock it into position.



Figure 3: 5-Position Height Adjustment

### 5.2 Starting and Mowing

To start the mower:

1. Ensure batteries are installed and the grass bag is attached.
2. Press and hold the lock-off button on the handle.
3. While holding the lock-off button, pull the bail switch towards the handle. The mower will start.
4. Release the lock-off button, but continue to hold the bail switch to keep the mower running.

The mower features a brushless motor with two speeds (3,300 rpm/3,700 rpm) and auto-adjust RPM for optimal power and run time. Its 13-inch cutting width is ideal for medium-sized lawns up to 3200 sq. ft.

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Video 2: Litheli 13 inch Brushless Lawn Mower in Action. This video demonstrates the ease of starting and operating the Litheli 13-inch brushless lawn mower, showcasing its cutting performance on various terrains.



Figure 4: 13-inch Large Working Width

### 5.3 Battery as Portable Power Bank

The Litheli 4.0Ah batteries are versatile and can also be used as portable power banks. They feature USB ports for charging cell phones, computers, tablets, and other electronic devices, providing emergency power when needed.



Figure 5: Battery Doubles as a 20,000 mAh Power Bank

## 6. Maintenance

### 6.1 Blade Care

The mower is equipped with a durable manganese steel blade for high cutting efficiency. Regularly inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance and mower efficiency. Replace the blade if it is bent, cracked, or excessively worn.

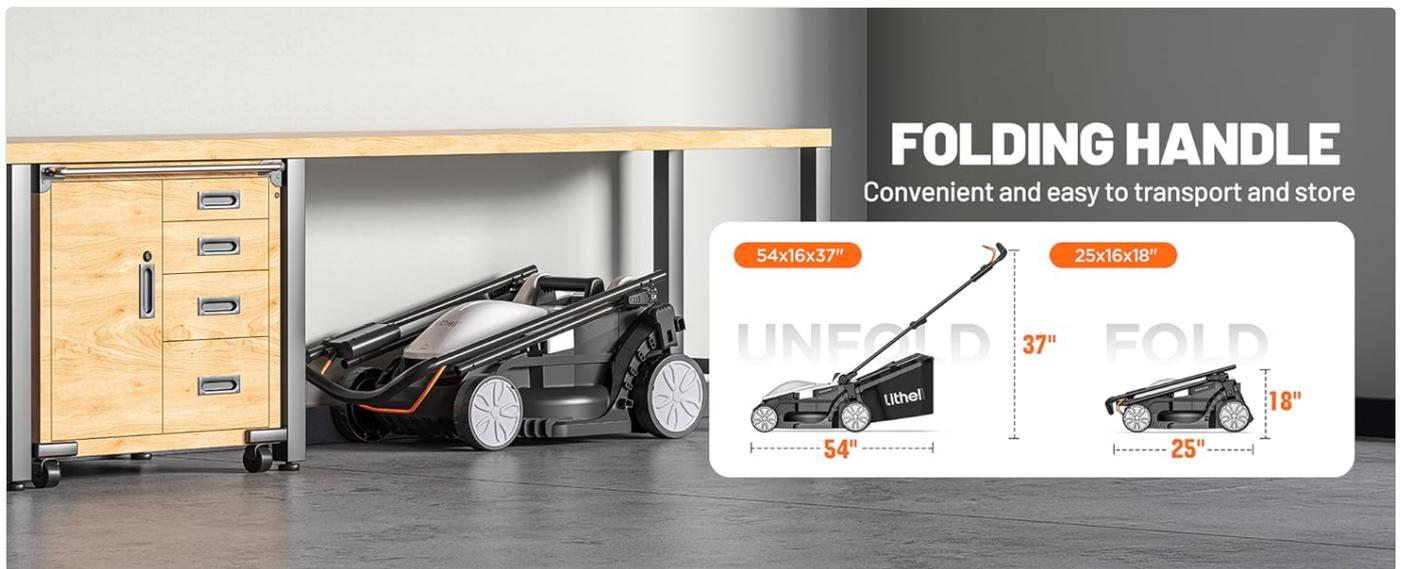


Figure 6: Manganese Steel Blade Design

### 6.2 Grass Bag Emptying

The 8-gallon grass collection bag should be emptied regularly to maintain optimal cutting performance and prevent clogging. To remove the bag, lift the rear flap and detach the bag from its hooks. Dispose of clippings responsibly.



Figure 7: Large Grass Collection Bag

### 6.3 Storage

The mower features an easy-to-fold handle, allowing for compact storage in tight spaces like garden sheds or garages. To fold, loosen the handle clamps and fold the handle down. The carrying handle makes it easy to transport the lightweight mower.

## MANGANESE STEEL BLADE DESIGN

High cutting efficiency and durability  
Sharp blades; cuts the lawn with ease  
13" cutting diameter, easy to repair lawn edges

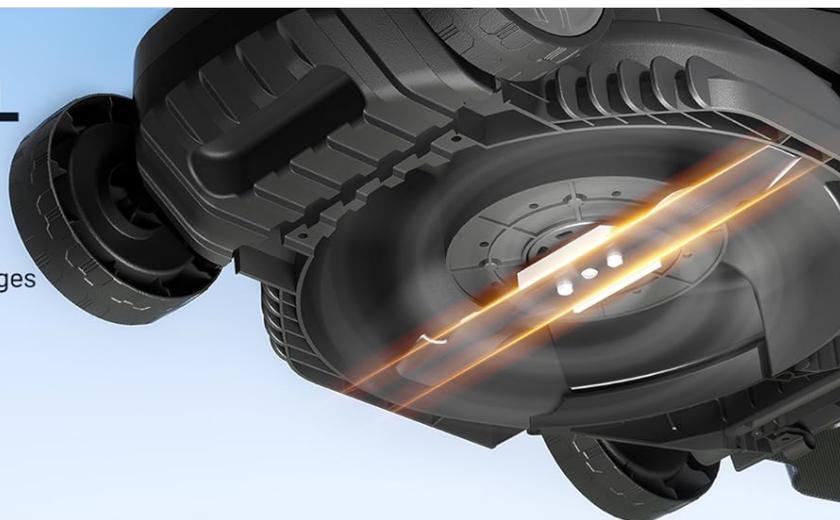


Figure 8: Folding Handle for Convenient Storage

## 7. Troubleshooting

If you encounter issues with your Litheli lawn mower, please refer to the following common troubleshooting tips:

- **Mower Not Starting:** Ensure batteries are fully charged and correctly inserted. Check that the safety key (if applicable) is in place and both the lock-off button and bail switch are engaged correctly.
- **Poor Cutting Performance:** Check the blade for sharpness and damage. Ensure the cutting height is appropriate for the grass length. Empty the grass collection bag if it is full.
- **Excessive Vibration:** Turn off the mower immediately and check the blade for damage or imbalance. Ensure all fasteners are tight.
- **Short Run Time:** Ensure batteries are fully charged. Battery performance can decrease in very cold weather.

For further assistance, please contact Litheli customer support.

## 8. Specifications

Feature	Specification
Brand	LITHELi
Model Number	U20LM00-0A220
Power Source	Battery Powered (2 x 4.0Ah 20V Lithium-Ion)
Cutting Width	13 Inches
Cutting Height Adjustment	5 Positions (1" to 2.5")
Motor Type	Brushless Motor
RPM	3,300 rpm / 3,700 rpm (Two Speeds)
Grass Bag Capacity	8 Gallons
Product Dimensions (Unfolded)	54.3"D x 13"W x 37.4"H
Material	Plastic

Assembly Required	Yes
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## 9. Warranty and Support

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Litheli offers a **3-year warranty for the entire machine** and a **2-year warranty for the battery**. If you encounter any problems with your product, please contact Litheli customer support. We are committed to replying within 24 hours to assist you.

For support, please visit the official Litheli website or refer to the contact information provided in your product packaging.