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LiTHELi U20LM03-0A220+2BY-new

Litheli 16" Cordless Brushless Electric Lawn Mower User Manual

Brand: LiTHELi | Model: U20LM03-0A220+2BY-new

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Litheli 16" Cordless Brushless Electric Lawn Mower. Please read this manual thoroughly before initial use and keep it for future reference.

Key Features:

- **Powerful Brushless Motor:** Enhances power, reduces maintenance, and ensures smoother operation.
- **6-Height Adjustment:** Offers versatile cutting heights from 0.98 inches to 2.95 inches for various grass types and seasonal needs.
- **Wide Cutting Path:** A 16-inch cutting width and a 10.57-gallon grass catcher cover more ground efficiently.
- **Extended Battery Life:** Operates for 30+ minutes with fully charged 4 x 4.0Ah batteries (charger not included).
- **Lightweight and Maneuverable:** Weighing only 27.1 pounds, it is easy to handle and transport, reducing user strain.



Figure 1: Litheli 16" Cordless Brushless Electric Lawn Mower with included 4.0Ah batteries.

2. Setup and Assembly

Follow these steps to assemble your lawn mower before first use:

1. **Unpack Components:** Carefully remove all parts from the packaging. Ensure all components are present: main mower unit, grass bag, handle assembly, and batteries.
2. **Assemble Handle:** Attach the handle assembly to the main mower unit. Tighten the quick-assembly set bolts securely to ensure the handle is firm and stable.
3. **Connect Grass Bag:** Lift the cover plate at the rear of the mower and securely connect the grass bag. Ensure it is properly seated to collect clippings effectively.
4. **Insert Battery Pack:** Open the battery compartment cover. Insert the fully charged 4.0Ah battery packs into their designated slots. Close the cover securely.
5. **Adjust Cutting Height:** Locate the height adjustment lever on the mower. Select your preferred cutting height from the 6 available positions (0.98" to 2.95") by moving the lever.



Figure 2: Adjusting the 6-position cutting height for optimal lawn results.



Figure 3: The mower's foldable design allows for tool-free and space-saving storage.

3. Operating Instructions

Before operating, ensure the area is clear of debris and that the grass bag is properly attached.

1. **Starting the Mower:** To start the mower, press the lock-off button located on the handle, then pull the bail switch towards the handle. Release the lock-off button once the motor starts.
2. **Mowing Technique:** Push the mower forward at a steady pace. Overlap each pass slightly to ensure even cutting. Avoid pushing too fast, especially in thick grass, to prevent motor strain and ensure a clean cut.
3. **Stopping the Mower:** Release the bail switch to stop the motor. The blade will cease rotation within a few seconds.
4. **Emptying the Grass Bag:** When the grass bag is full, the mower's performance may decrease. Stop the mower, remove the grass bag, and pour away the grass clippings. Reattach the bag securely before resuming operation.



Figure 4: The 16-inch cutting width allows for efficient lawn care.



Figure 5: The large grass collection bag minimizes trips for emptying.

Video 1: Official Litheli Lawn Mower User Guide demonstrating assembly and basic operation.

Battery Features:

The 4.0Ah batteries provide ample power for typical lawn sizes. They also feature a unique capability:

- **Power Bank Functionality:** The batteries can double as a 20,000 mAh power bank, capable of charging various electronic devices via USB output.



Figure 6: The versatile battery can also function as a 20,000 mAh power bank for charging devices.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your lawn mower.

- **Cleaning:** After each use, disconnect the batteries and clean the mower deck and grass bag. Remove any grass clippings, dirt, or debris from the blade area and vents. Use a damp cloth; do not use water jets or harsh chemicals.
- **Blade Inspection:** Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can lead to uneven cuts and strain the motor. Replace or sharpen the blade as needed.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not expose batteries to extreme temperatures. Charge batteries fully before long-term storage.
- **Storage:** For compact storage, fold the handle assembly. Store the mower in a dry, protected area.

5. Troubleshooting

This section addresses common issues you might encounter with your Litheli lawn mower.

Problem	Possible Cause	Solution
Mower does not start or stops unexpectedly.	Battery not inserted correctly, battery low/dead, safety switch not engaged, motor overheating.	Ensure batteries are fully charged and correctly inserted. Press the lock-off button and pull the bail switch simultaneously. Allow the mower and batteries to cool down if overheating is suspected.
Reduced cutting performance or uneven cut.	Dull or damaged blade, grass bag full, cutting height too low for grass type.	Inspect and sharpen/replace the blade. Empty the grass bag. Adjust the cutting height to a higher setting.
Battery overheats or does not charge.	Overuse, high ambient temperature, charger issue.	Allow batteries to cool down before attempting to charge or use again. Ensure you are using a compatible charger (not included with this model). Avoid prolonged use in very hot conditions.
Wheels feel loose or detach.	Loose fasteners.	Periodically check and tighten all wheel fasteners and assembly points.

6. Specifications

- **Brand:** LiTHELi
- **Model Number:** U20LM03-0A220+2BY-new
- **Power Source:** Battery Powered (4 x 4.0Ah Batteries Included)
- **Material:** Plastic
- **Color:** White
- **Item Weight:** 38.5 Pounds
- **Cutting Width:** 16 Inches
- **Number of Cutting Positions:** 6
- **Operation Mode:** Manual Push
- **Product Dimensions (Unfolded):** 27.56"D x 18.9"W x 43.31"H
- **Minimum Adjustable Cutting Height:** 0.98 Inches
- **Maximum Adjustable Cutting Height:** 2.95 Inches
- **UPC:** 740907588965
- **Manufacturer:** Litheli

7. Warranty and Support

For warranty information, product support, or to purchase accessories, please contact Litheli US directly. Details regarding available protection plans (2-Year, 3-Year, or Complete Protect) can be found at the point of purchase or on the official Litheli website.
It is recommended to register your product upon purchase to facilitate any future warranty claims or support needs.

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