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> Yard Force 120v Lithium-Ion 21" 3-in-1 Mower (Model YOLMX21P300) Instruction Manual

## Yard Force YOLMX21P300

# Yard Force 120v Lithium-Ion 21" 3-in-1 Mower Instruction Manual

Model: YOLMX21P300

## INTRODUCTION

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This manual provides essential instructions for the safe assembly, operation, and maintenance of your Yard Force 120v Lithium-Ion 21" 3-in-1 Mower. Please read this manual thoroughly before using the product and retain it for future reference. Proper use and care will ensure optimal performance and extend the life of your mower.

## IMPORTANT SAFETY INFORMATION

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Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Familiarize yourself with all controls and proper use of the equipment.

- Read all instructions before operating the mower.
- Wear appropriate personal protective equipment, including eye protection and sturdy footwear.
- Keep children and bystanders away from the operating area.
- Never operate the mower in wet conditions or on steep slopes.
- Remove the battery pack when cleaning, servicing, or storing the mower.
- Inspect the mower for damage before each use.

## SETUP AND ASSEMBLY

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Your Yard Force mower requires some assembly before first use. Follow these steps carefully.

### 1. Unpacking

Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present. Retain packaging materials for potential future transport or storage.

### 2. Handle Assembly

Attach the upper handle to the lower handle, and then attach the assembled handle to the mower deck. Secure all connections with

the provided hardware. The handle is designed for quick-release adjustment and folding for storage.



Figure 1: Handle adjustment mechanism. The handle can be adjusted to different heights and folded for compact storage.

### 3. Battery Charging

Before first use, fully charge the 120v / 2.5 Ah Lithium-Ion battery using the included fast charger. Insert the battery into the charger and plug the charger into a standard electrical outlet. The charge indicator on the battery will show charging progress. A full charge is indicated when all lights are illuminated.



Figure 2: The 120VRX Lithium-Ion battery with its integrated charge indicator. Ensure the battery is fully charged before use.

The powerhead also has a charge indicator to quickly see remaining charge during operation.

#### **4. Installing the Battery**

Once charged, insert the battery pack firmly into the battery compartment on the mower until it clicks into place. Ensure it is securely seated.



Figure 3: Battery compartment with the 120vRX battery installed. Ensure a secure connection for proper operation.

## 5. Adjusting Cutting Height

Use the single-lever height adjustment to set the desired cutting height. Refer to the markings on the mower for different height settings. Adjusting the height ensures an optimal cut for various grass types and conditions.



Figure 4: Detail of the mower wheel and the single-lever cutting height adjustment mechanism.

## OPERATING INSTRUCTIONS

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Follow these steps for safe and effective operation of your Yard Force mower.

### 1. Starting the Mower

Ensure the battery is installed. Press and hold the safety button, then pull the bail lever towards the handle. The brushless motor will start. Release the safety button once the motor is running.

### 2. Mowing Techniques

Push the mower at a steady pace. The Torque-Sense Technology will automatically adjust blade speed to provide optimal power for different grass conditions, ensuring a consistent cut. Avoid overloading the mower by cutting excessively tall or wet grass too quickly.





Figure 5: Operating the Yard Force mower. Maintain a steady pace for best results.



Figure 6: The mower in action, demonstrating its maneuverability and cutting capability.

### 3. 3-in-1 Deck Functionality

Your mower offers three cutting options: rear-bagging, mulching, and side discharge. The 21" steel deck can be easily converted between these modes.



- **Rear-Bagging:** Attach the high-capacity hybrid grass bag to collect clippings. The vortex tunnel design optimizes collection, allowing for +95% bag capacity.
- **Mulching:** Insert the mulching plug (if not already installed) to finely cut and redistribute grass clippings back onto the lawn as natural fertilizer.
- **Side Discharge:** Attach the side discharge chute to direct clippings away from the mower.

## 4. Stopping the Mower

Release the bail lever to stop the motor. Always remove the battery pack when leaving the mower unattended, or before performing any adjustments or maintenance.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your mower.

- **Cleaning:** After each use, disconnect the battery and clean the mower deck and exterior with a damp cloth. Remove any grass clippings or debris from the underside of the deck and around the blade.
- **Blade Inspection:** Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can affect cutting performance and mower efficiency. Replace or sharpen the blade as needed.
- **Battery Care:** Store the battery in a cool, dry place away from direct sunlight. Do not store the battery in a fully discharged state for extended periods.
- **Storage:** For long-term storage, clean the mower thoroughly, remove the battery, and fold the handle for compact storage. Store in a dry, protected area.

## TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Mower does not start	Battery not inserted correctly or discharged. Safety button/bail lever not engaged.	Ensure battery is fully charged and securely inserted. Engage safety button and pull bail lever simultaneously.
Reduced cutting performance	Dull or damaged blade. Cutting height too low for grass conditions. Excessive grass buildup under deck.	Inspect and sharpen/replace blade. Adjust cutting height. Clean underside of mower deck.
Battery runtime is short	Battery not fully charged. Mowing thick/wet grass. Battery nearing end of life.	Ensure battery is fully charged before use. Avoid mowing excessively thick or wet grass. Consider replacing battery if performance consistently degrades.
Mower stops during operation	Overload protection activated (e.g., very thick grass). Battery discharged.	Reduce load by raising cutting height or slowing pace. Recharge battery.

## SPECIFICATIONS

Key technical specifications for the Yard Force 120v Lithium-Ion 21" 3-in-1 Mower (Model YOLMX21P300).

- **Model Number:** YOLMX21P300
- **Power Source:** Battery Powered (120v Lithium-Ion)
- **Battery Capacity:** 2.5 Ah
- **Motor Type:** Brushless
- **Cutting Width:** 21 inches (Note: Product description states 21", specifications state 22". Using 21" from title for consistency, but acknowledging the discrepancy.)
- **Cutting Functions:** 3-in-1 (Rear-Bagging, Mulching, Side Discharge)

- **Deck Material:** Alloy Steel
- **Height Adjustment:** Single-lever
- **Item Weight:** 90 Pounds
- **Product Dimensions (D x W x H):** 36" x 24" x 18"
- **Assembly Required:** Yes
- **UPC:** 846325004176
- **Manufacturer:** Merotec Inc.

## WARRANTY INFORMATION

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The Yard Force 120v Lithium-Ion 21" 3-in-1 Mower comes with a manufacturer's warranty. Please refer to the warranty card included with your product for full details and terms.

- **Product Warranty:** 5-year warranty on the mower (as per feature bullets).
- **Battery Warranty:** Specific battery warranty details may vary; consult included documentation.
- **General Warranty:** Manufacturer Warranty Description: 1 year (as per specifications). *Note: There is a discrepancy between the 5-year warranty mentioned in feature bullets and the 1-year warranty in specifications. Please refer to the official warranty documentation provided with your product for accurate information.*

## CUSTOMER SUPPORT

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For technical assistance, parts, or warranty claims, please contact Yard Force customer support. Have your model number (YOLMX21P300) and purchase date available when contacting support.

Manufacturer: Merotec Inc.

For the most current contact information, please visit the official Yard Force website or refer to the documentation included with your product.