

Greenworks CRT426

Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower User Manual

Model: CRT426

1. SAFETY INFORMATION

Operating any power equipment requires adherence to safety precautions to prevent injury. Please read and understand all safety instructions before operating your Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower.

- **Clear the Area:** Before starting, ensure the mowing area is clear of debris, rocks, and other objects that could be thrown by the blades. Keep children and pets away from the operating area.
- **Wear Protective Gear:** Always wear appropriate safety gear, including eye protection, hearing protection, long pants, and sturdy, non-slip footwear.
- **Avoid Wet Surfaces:** Do not operate the mower on wet or slippery surfaces, as this can lead to loss of control.
- **Allow Cooling:** If performing maintenance, allow the mower and batteries to cool down completely.
- **Never Leave Unattended:** Do not leave a running mower unattended. Always turn off the engine and remove the key when leaving the operator's position.
- **Slope Operation:** Exercise extreme caution when operating on slopes. Mow across slopes, not up and down, to minimize the risk of tipping.
- **Battery Handling:** Use only Greenworks 60V batteries and chargers. Do not expose batteries to water or extreme temperatures.

2. PRODUCT OVERVIEW

The Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower offers a powerful and efficient solution for lawn care. Designed for ease of use and minimal maintenance, it provides a quiet and emission-free mowing experience.

Key Features:

- **Powerful Performance:** Equivalent to a 24 HP gas engine, providing clean and even cuts with a constant 17,000 FPM blade speed.

- **Extended Runtime:** Cuts up to 1.5 acres on a single charge with the included (4) 8.0Ah batteries. The 'Mow, Swap, and Go' system allows continuous operation by charging two batteries while using the other two.
- **Fast Charging:** Batteries charge in approximately 90 minutes with the (2) dual port turbo chargers.
- **Durable Construction:** Features a durable 42-inch steel deck and highly efficient brushless motors for increased torque and longer life.
- **Quiet Operation:** Operates up to 4 times quieter than traditional gas mowers (approx. 90 dB).
- **Versatile Functionality:** Integrated cargo bed with 200 lbs hauling capacity and front & rear attachment capability for towing up to 350 lbs.
- **Enhanced Visibility:** Equipped with LED headlights for early morning or late evening mowing.
- **Weather Resistant:** IPX4 waterproof rating ensures durability in various weather conditions.
- **Smart Cut Technology:** Automatically adjusts power based on grass conditions for optimal cutting performance.



Figure 2.1: The Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower.

3. SETUP

3.1 Unpacking and Assembly

Your Greenworks riding mower is transported in a steel shipping crate. Carefully unpack the mower and its components. Assembly is required, typically involving attaching the steering column, seat, and other minor parts. Refer to the detailed assembly instructions included in the packaging for step-by-step guidance.

For any questions regarding recycling or disposal of the steel shipping crates, please contact our customer support line at (888) 909-6757.

3.2 Battery Charging and Installation

The mower comes with four 8.0Ah Lithium-Ion batteries and two dual-port turbo chargers. Ensure all batteries are fully charged before initial use.

1. **Charge Batteries:** Connect the dual-port turbo chargers to a standard power outlet. Insert the 8.0Ah batteries into the chargers. A full charge typically takes 90 minutes per pair of batteries.
2. **Install Batteries:** Locate the battery compartments on the mower (typically under the seat or rear storage area). Insert the charged batteries firmly into their designated slots. Ensure they click into place.



Figure 3.1: Greenworks 60V 8.0Ah Batteries and Dual Port Turbo Chargers.

4. OPERATING INSTRUCTIONS

4.1 Starting the Mower

1. **Engage Parking Brake:** Ensure the parking brake is engaged.
2. **Insert Key:** Insert the key into the ignition and turn it to the 'ON' position.
3. **Engage Blades:** To engage the cutting blades, press the blade engagement button or pull the PTO (Power Take-Off) lever, depending on your model.
4. **Select Speed:** Choose your desired speed setting (low or high). The mower can reach cutting speeds of up to 8 MPH.
5. **Release Parking Brake:** Release the parking brake and slowly press the forward pedal to begin mowing.

4.2 Cutting Height Adjustment

The mower features a single-lever, 7-position deck adjustment system, allowing you to easily change the cutting height from 1.5 inches to 4.5 inches.

1. **Stop Mower:** Bring the mower to a complete stop and disengage the blades.
2. **Adjust Lever:** Locate the cutting height adjustment lever, typically on the side of the mower deck. Move the lever to your desired height setting.
3. **Resume Mowing:** Re-engage the blades and resume mowing.

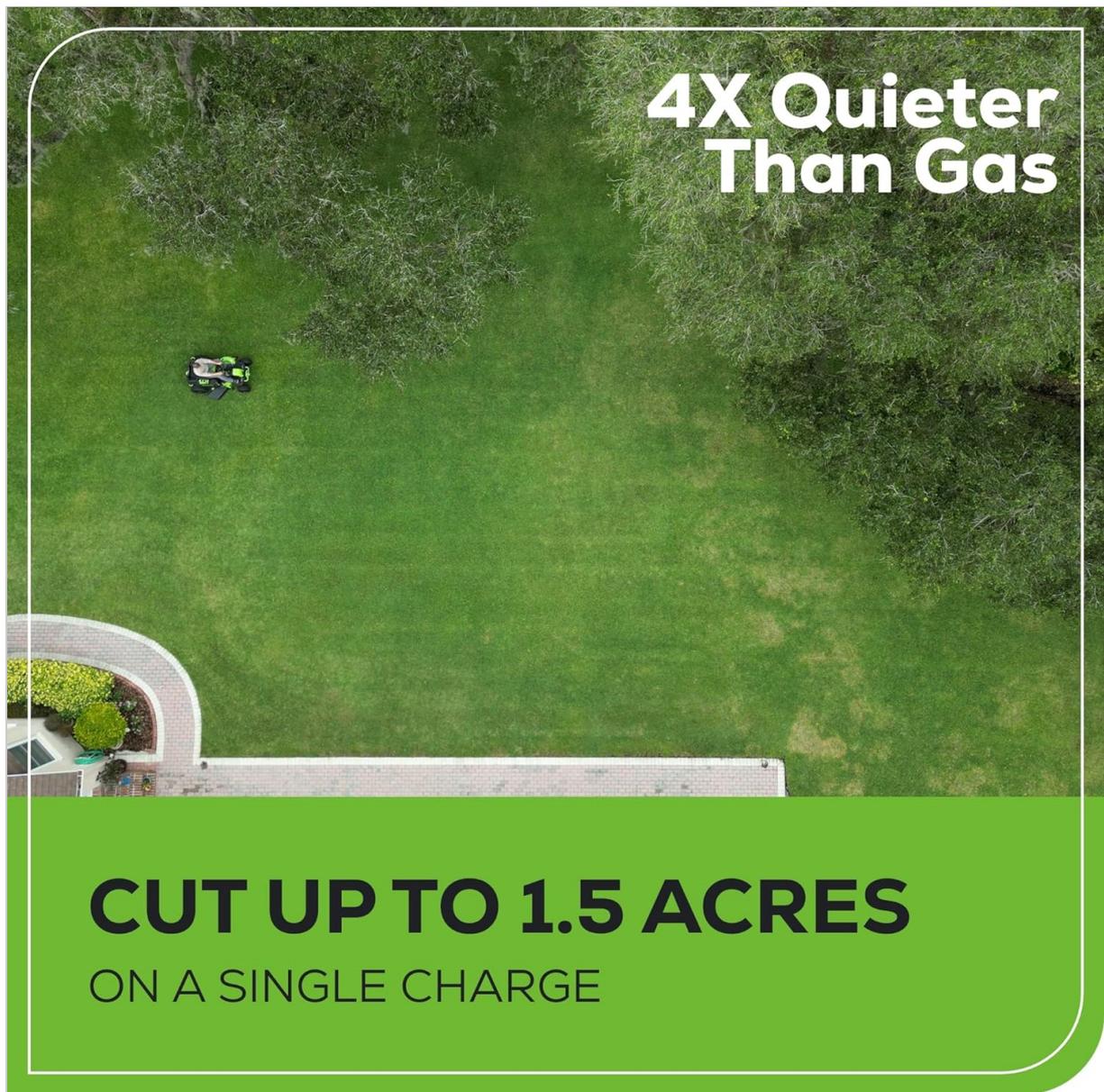


Figure 4.1: Operating the Greenworks CrossoverT Riding Mower.

4.3 Mowing Techniques

The Greenworks CrossoverT Riding Mower utilizes Smart Cut Technology, which automatically adjusts the power output based on the grass thickness. This ensures consistent cutting performance and prevents bogging down in dense areas.

- **Overlap Passes:** For a uniform cut, overlap each mowing pass by a few inches.
- **Slope Mowing:** When mowing on slopes, always drive across the slope, not up and down. Maintain a slow and steady speed.
- **Reverse Mowing:** To mow in reverse, you may need to press a specific button or engage a lever to keep the blades active while backing up. Consult your mower's control panel for specific instructions.

4.4 Integrated Features

- **LED Headlights:** The mower is equipped with LED headlights for improved visibility during low-light conditions. These typically activate automatically when the mower is running.
- **Cargo Bed:** Utilize the integrated cargo bed to haul up to 200 lbs of materials such as mulch, soil, or tools.
- **Towing Capability:** The mower is capable of towing up to 350 lbs with appropriate attachments.

Ensure the load is securely attached and does not exceed the maximum towing capacity.

Zero Maintenance

Zero Oil.
Zero Filters.
Zero Belts.
Zero Smells.

EFFORTLESS & SIMPLE
NO CRANKING. NO PULLING.

Figure 4.2: Utilizing the integrated cargo bed.



Figure 4.3: Towing with the Greenworks CrossoverT Riding Mower.

4.5 Official Product Videos

Video 4.1: Overview of the Greenworks 60V family, including the riding mower and ZTR models. This video highlights various features and applications.

Video 4.2: A dedicated video showcasing the Greenworks 60V tractor, demonstrating its operation and capabilities.

5. MAINTENANCE

One of the significant advantages of the Greenworks 60V CrossoverT Riding Mower is its minimal maintenance requirements. Being electric, it eliminates the need for gas, oil changes, spark plugs, and complex engine tune-ups.

5.1 General Maintenance

- **Cleaning:** After each use, clean the mower deck and exterior to remove grass clippings and debris. Use a damp cloth; avoid direct water spray on electrical components.
- **Storage:** Store the mower in a dry, protected area. Ensure batteries are stored in a cool, dry place and charged periodically if stored for extended periods.
- **Fastener Checks:** Periodically check all nuts, bolts, and fasteners for tightness and tighten as

necessary.



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Figure 5.1: The Greenworks CrossoverT Mower requires minimal maintenance.

5.2 Blade Care

Sharp blades are essential for a clean cut and efficient operation. Inspect blades regularly for sharpness and damage.

- **Inspection:** Check blades for nicks, bends, or excessive wear. Replace damaged blades immediately.
- **Sharpening:** Blades can be sharpened by a qualified service technician or replaced with genuine Greenworks replacement blades.

5.3 Battery Care

- **Charging:** Always use the provided Greenworks dual-port turbo chargers. Do not attempt to charge batteries with incompatible chargers.
- **Storage:** For optimal battery life, store batteries in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge them to approximately 50-75% capacity.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower.

Problem	Possible Cause	Solution
Mower does not start	Batteries not charged or improperly installed; Parking brake not engaged; Safety switch not activated (e.g., operator not in seat).	Ensure batteries are fully charged and correctly seated. Engage the parking brake. Ensure you are properly seated on the mower.
Blades do not engage	Blade engagement button/lever not activated; Safety interlock engaged; Overload protection activated.	Ensure the blade engagement control is fully activated. Check for obstructions under the deck. Allow the motor to cool if it was recently overloaded.

Problem	Possible Cause	Solution
Reduced cutting performance	Dull or damaged blades; Excessive grass height; Smart Cut Technology adjusting power.	Inspect and sharpen/replace blades. Raise the cutting height for very tall grass. Allow Smart Cut Technology to adapt; it may temporarily reduce speed in dense areas.
Battery not charging	Charger not plugged in; Faulty battery or charger; Extreme temperature.	Verify charger is securely plugged into a working outlet. Try a different battery or charger if available. Charge batteries within recommended temperature ranges.

7. SPECIFICATIONS

Feature	Specification
Brand	Greenworks
Model Number	CRT426
Power Source	DC (60V Battery)
Cutting Width	42 Inches
Minimum Cutting Height	1.5 Inches
Maximum Cutting Height	4.5 Inches
Item Weight	456 Pounds
Product Dimensions (D x W x H)	74.41" x 52.56" x 43.86"
Battery Type	Lithium Ion (4 x 8.0Ah included)
Chargers	2 Dual Port Turbo Chargers included
Battery Life (Runtime)	Up to 1.5 Hours (or 1.5 acres)
Charging Time	90 Minutes (per pair of batteries)
Max Hauling Capacity (Cargo Bed)	200 lbs
Max Towing Capacity	350 lbs
Waterproof Rating	IPX4

8. ACCESSORIES

Enhance the functionality of your Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower with available accessories.

- **Bagger Accessory:** Collect grass clippings for a clean finish.
- **Additional Blades:** Keep spare blades on hand for quick replacement or sharpening.



Figure 8.1: Example of available accessories for the Greenworks CrossoverT Mower.

9. WARRANTY AND SUPPORT

Greenworks stands behind the quality of its products.

- **Warranty:** This product is covered by a 4-year tool and battery warranty. Please refer to your warranty card or the Greenworks official website for full terms and conditions.
- **Customer Support:** For technical assistance, warranty claims, or any questions regarding your Greenworks 60V 42-inch Cordless Electric CrossoverT Riding Mower, please contact Greenworks Customer Support at **(888) 909-6757**.