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› [CAT](#) /

› [CAT DG670 60V 21" Cordless Brushless Push Lawn Mower Instruction Manual](#)

CAT DG670

CAT DG670 60V 21" Cordless Brushless Push Lawn Mower

Model: DG670 | Brand: CAT

INTRODUCTION

The CAT DG670 60V 21-inch Walk Behind Mower is engineered for efficient lawn care without the complexities of gasoline engines. It features a high-efficiency brushless 2.0 motor, providing enhanced power and extended runtime compared to standard brushless motors. The 21-inch steel deck allows for broad coverage while maintaining maneuverability around obstacles. Weighing 68.3 lbs with the battery, this mower incorporates TorqLogic technology, which intelligently adjusts torque based on grass density to optimize performance and battery conservation. The package includes a 5.0Ah battery and a 3A charger, both compatible with other CAT 60V Outdoor Power Equipment.

SAFETY INFORMATION

Always prioritize safety when operating power equipment. Read and understand all instructions before use. Failure to follow safety guidelines can result in serious injury.

- **Personal Protective Equipment:** Always wear appropriate eye protection, hearing protection, and sturdy footwear. Long pants are recommended.
- **Work Area:** Ensure the mowing area is clear of debris, rocks, toys, and other objects that could be thrown by the blade. Keep children and pets at a safe distance (at least 50 feet/15 meters) from the operating mower.
- **Battery Safety:** Use only the specified CAT 60V batteries and chargers. Do not expose batteries to water, extreme temperatures, or direct sunlight. Disconnect the battery before performing any maintenance or adjustments.
- **Operation:** Never operate the mower in wet grass or rain. Maintain a firm grip on the handles. Avoid operating on steep slopes. Always push the mower forward; do not pull it towards you.
- **Blade Safety:** The mower blade is sharp. Exercise extreme caution when handling or performing maintenance. Never attempt to clear the discharge chute or remove debris while the motor is running or the battery is connected.

SETUP

What's Included

Verify that all components are present in the packaging:

- 60V Walk Behind Cordless Lawn Mower
- Mower Bag
- Discharge Chute
- 60V 5.0Ah Battery
- 3A Charger



Figure 1: Included components of the CAT DG670 lawn mower package.

Battery Charging and Installation

1. **Charge the Battery:** Before first use, fully charge the 60V 5.0Ah battery using the provided 3A charger.

Connect the charger to a standard power outlet and insert the battery. The charger's indicator lights will show the charging status.

- 2. Install the Battery:** Open the battery compartment cover on the mower. Insert the fully charged battery into the primary battery port until it clicks securely into place.
- 3. Utilize Dual Battery Port (Optional):** The mower features a dual battery port, allowing you to keep a second charged battery on board. This extends runtime by automatically switching to the second battery when the first is depleted.



Figure 2: The dual battery compartment for extended runtime.

OPERATING INSTRUCTIONS

Starting and Stopping the Mower

- 1. To Start:** Ensure the battery is installed. Press and hold the safety button, then pull the bail lever towards the handle. The blade will begin to spin.

2. **To Stop:** Release the bail lever. The blade will stop rotating.

3-in-1 Cutting Modes

The DG670 offers three cutting modes: Bagging, Mulching, and Side Discharge. A quick-switch lever allows for easy selection.

- **Bagging:** For collecting grass clippings. Attach the mower bag to the rear discharge opening.
- **Mulching:** For finely cutting and returning clippings to the lawn as natural fertilizer. Ensure the mulching plug is installed (if applicable) and the side discharge chute is closed.
- **Side Discharge:** For expelling clippings out the side of the mower. Attach the side discharge chute.



Figure 3: The quick-switch lever for selecting cutting modes.

Cutting Height Adjustment

The cutting height can be easily adjusted with a single lever. Locate the height adjustment lever on the mower deck and move it to the desired position. The mower offers a range of cutting heights from 1.5 inches to 4 inches.

TorqLogic Technology

The integrated TorqLogic system automatically senses grass conditions and adjusts the motor's torque output. This ensures consistent cutting power in dense or tall grass and conserves battery life in lighter conditions.



Figure 4: TorqLogic in action, maintaining cutting power.

LED Headlights

The mower is equipped with high-intensity LED headlights to improve visibility during operation in low-light conditions.



Figure 5: LED headlights for enhanced visibility.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your lawn mower. Always disconnect the battery before performing any maintenance.

- **Blade Care:** Inspect the blade regularly for sharpness and damage. A dull or damaged blade can lead to an uneven cut and strain the motor. Replace or sharpen the blade as needed. Avoid mowing over hard objects that could damage the blade.
- **Cleaning:** After each use, clean the underside of the mower deck and the discharge chute to prevent grass buildup. Use a brush or cloth; avoid using water directly on electrical components.
- **Storage:** For convenient storage and transport, the mower features a foldable handle. Store the mower in a dry, protected area. Remove the battery if storing for extended periods.

TROUBLESHOOTING

If you encounter issues with your CAT DG670 lawn mower, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Mower does not start or blade does not engage.	Battery not fully charged or improperly installed. Safety button/bail lever sequence incorrect.	Ensure battery is fully charged and securely seated. Follow the correct starting sequence: press safety button, then pull bail lever.
Reduced cutting performance or uneven cut.	Dull or damaged blade. Grass buildup under deck. Mowing too fast or in excessively tall/wet grass.	Inspect and sharpen/replace blade. Clean mower deck. Reduce mowing speed. Avoid mowing wet grass. Adjust cutting height.
Mower stops unexpectedly during operation.	Battery depleted. Overload protection activated.	Replace with a charged battery. Allow mower to cool down if it overheated due to heavy load. Reduce load by raising cutting height or slowing down.

SPECIFICATIONS

Feature	Detail
Brand	CAT
Model Number	DG670
Power Source	Battery Powered (60V)
Motor Type	Brushless 2.0
Cutting Width	21 Inches
Cutting Height Range	1.5 Inches to 4 Inches
Operation Mode	Manual Push
Item Weight	68.3 Pounds (with battery)
Product Dimensions	40.55"D x 21.89"W x 17.13"H
Material	Alloy Steel
Color	Black, Yellow
Battery Included	1 Lithium Ion (5.0Ah)
Charger Included	1 (3A)

Feature	Detail
UPC	845534028591

WARRANTY INFORMATION

CAT stands behind the quality of its products. The DG670 Lawn Mower comes with the following limited warranties:

- **Tool Warranty:** 3 Year Limited Warranty
- **Battery & Charger Warranty:** 5 Year Limited Warranty

WHAT'S INCLUDED



**60V CORDLESS PUSH MOWER
WITH BAG & DISCHARGE CHUTE**



CHARGER



5.0AH BATTERY

Figure 6: Warranty details for the CAT DG670 mower.

For full warranty terms and conditions, please refer to the documentation included with your product or contact customer support.

CUSTOMER SUPPORT

For assistance, technical support, or warranty claims, please contact CAT customer service:

- **Helpline:** 1-800-366-3011 (Monday - Friday, 9 a.m. - 6 p.m. EST)
- **Email:** support.NA@catpowertools.com



Figure 7: Contact information for customer support.

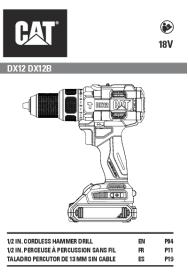
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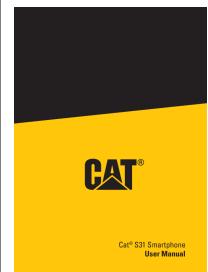
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