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› Ingco 20V Brushless Cordless Drill and Driver 55Nm - Instruction Manual

Ingco INGCO-CDLI205582

Ingco 20V Brushless Cordless Drill and Driver 55Nm

Model: INGCO-CDLI205582

1. INTRODUCTION

Thank you for choosing the Ingco 20V Brushless Cordless Drill and Driver. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and keep it for future reference. This tool is designed for drilling into wood, metal, and plastic, and for driving screws.



Figure 1: Ingco 20V Brushless Cordless Drill and Driver in its original packaging.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools.

3. PRODUCT OVERVIEW

The Ingco 20V Brushless Cordless Drill and Driver is a powerful and versatile tool featuring a brushless motor for enhanced durability and efficiency. It offers multiple torque settings and two-speed control for various applications.

Key Components:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Adjustment Ring:** Allows selection of various torque settings for screwdriving and drilling modes.
- **Speed Selector Switch:** Two-speed gearbox for high-speed drilling or high-torque screwdriving.
- **Trigger Switch:** Variable speed control.
- **Forward/Reverse Selector:** For changing rotation direction.
- **LED Work Light:** Illuminates the work area.
- **Battery Pack:** 20V Li-ion battery.
- **Charger:** For recharging the battery pack.



**Mandril
em Metal**



**Empunhadura
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COMPACT
BRUSHLESS
55N.m



Figure 2: Close-up of the Ingco drill showing the metal chuck and ergonomic rubberized grip.

Jogo de Bits e Parafusos



Figure 3: Included accessory kit with various bits and screws for diverse applications.

4. SETUP

4.1 Charging the Battery

Before first use, fully charge the battery pack. Insert the battery pack into the charger. The charger indicator light will show the charging status. Once fully charged, remove the battery from the charger.

Carregamento Inteligente



Figure 4: The smart charger for the Ingco 20V battery.



Figure 5: The 20V 2.0Ah Li-ion battery pack.

4.2 Installing/Removing the Battery Pack

- **To Install:** Align the battery pack with the base of the tool and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release button and slide the battery pack out.

4.3 Installing/Removing Drill Bits or Screwdriver Bits

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the bit fully into the chuck. Rotate the chuck clockwise to tighten the jaws securely around the bit.
- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

5. OPERATING INSTRUCTIONS

5.1 Selecting Speed

The tool has two speed settings:

- **Speed 1 (Low Speed):** For high-torque applications like driving large screws or drilling large holes.
- **Speed 2 (High Speed):** For fast drilling in softer materials or smaller holes.

Use the speed selector switch located on top of the tool to choose the desired speed.

5.2 Adjusting Torque

The torque adjustment ring allows you to select the appropriate torque setting for screwdriving or switch to drilling mode. Rotate the ring to align the desired number with the arrow on the tool body. Higher numbers indicate higher torque. For drilling, select the drill symbol.

5.3 Forward/Reverse Operation

The forward/reverse selector switch controls the direction of rotation. Push the switch to the left for forward rotation (screwdriving/drilling) and to the right for reverse rotation (removing screws). Ensure the switch is in the center position to lock the trigger and prevent accidental starting.

5.4 Drilling and Screwdriving

- **Drilling:** Select the drill mode on the torque adjustment ring. Choose the appropriate speed. Hold the tool firmly and apply steady pressure.
- **Screwdriving:** Select a torque setting suitable for the screw size and material. Start with a lower torque setting and increase if necessary to avoid stripping the screw head or damaging the workpiece.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the ventilation slots clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the tool and accessories in a dry, secure place out of reach of children.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed. Forward/reverse switch in center (locked) position.	Charge battery. Reinstall battery correctly. Move forward/reverse switch to desired operating position.
Reduced power or speed	Low battery charge. Overload.	Recharge battery. Reduce pressure or use a larger drill bit/appropriate torque setting.

Problem	Possible Cause	Solution
Bit slips in chuck	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Tighten chuck firmly. Clean or replace bit.

8. SPECIFICATIONS

Feature	Specification
Brand	Ingco
Model Number	INGCO-CDLI205582
Voltage	20 Volts
Max Torque	55 Newton Meters
No-Load Speed	2200 RPM (Max)
Number of Speeds	2
Battery Capacity	2 Amperes Hours
Chuck Type	Keyless
Motor Type	Brushless
Material	Metal
Item Weight	1600 Grams

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact Ingco customer service directly. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Example: How do I reset this device or fix this error?

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