

Generic TAGLI211156

Lithium-ion Battery Angle Grinder User Manual

Model: TAGLI211156 | Brand: Generic

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when operating this angle grinder to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Familiarize yourself with the controls and proper use of the tool.
- **Work area safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical safety:** Do not expose power tools to rain or wet conditions. Keep cords away from heat, oil, sharp edges, or moving parts.
- **Personal safety:** Always wear eye protection, hearing protection, and appropriate respiratory protection. Use safety footwear and work gloves when necessary.
- **Tool use and care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- **Battery tool use and care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

2. PRODUCT OVERVIEW

The Generic TAGLI211156 is a powerful 20V Lithium-ion battery-powered angle grinder designed for various cutting and grinding tasks. It features a brushless motor for enhanced efficiency and durability.



Figure 2.1: Front view of the Generic 20V Lithium-ion Angle Grinder, showing the main body, auxiliary handle, and a 115mm disc. Note that the battery, charger, and disc are sold separately.



Figure 2.2: Side view of the Generic 20V Lithium-ion Angle Grinder, highlighting the 115mm (4-1/2 inch) disc diameter and a reminder that the battery and charger are sold separately.

Key features include a 20V brushless motor, offering no-load speeds of 3000/8000 RPM, and a 115mm disc

diameter capacity. The spindle thread is M14, equipped with a safety switch for secure operation. The tool is green in color and comes packaged in a colored box. Please note that the battery, charger, and grinding disc are not included with the tool and must be purchased separately.

3. SETUP

Before initial use, ensure all components are present and undamaged. This angle grinder requires a 20V Lithium-ion battery and a compatible charger, both sold separately.

3.1 Attaching the Auxiliary Handle

The auxiliary handle can be screwed into either side of the gear housing for left or right-handed operation. Ensure it is tightened securely before use.

3.2 Installing/Removing the Grinding Disc

1. Ensure the battery pack is removed from the tool.
2. Press and hold the spindle lock button.
3. Place the inner flange onto the spindle.
4. Position the grinding disc onto the inner flange, ensuring it sits flat.
5. Screw the outer flange (nut) onto the spindle and tighten it firmly using the provided spanner wrench.
6. To remove, reverse the steps.

3.3 Installing the Battery Pack

Align the battery pack with the battery port on the tool and slide it in until it clicks into place. Ensure it is fully seated before operation.

4. OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves before operating the angle grinder.

4.1 Starting and Stopping the Tool

- To start the tool, slide the safety switch forward and then press the trigger switch.
- To stop the tool, release the trigger switch. The safety switch will automatically return to the locked position.

4.2 Speed Adjustment

This model offers two no-load speed settings: 3000 RPM and 8000 RPM. Refer to the tool's controls for adjusting the speed according to the material and task. Lower speeds are generally suitable for polishing or light grinding, while higher speeds are for aggressive cutting and grinding.

4.3 Grinding and Cutting Techniques

- **Grinding:** Hold the grinder at a 15-30 degree angle to the workpiece. Apply light, even pressure and move the

tool smoothly across the surface.

- **Cutting:** Hold the grinder perpendicular to the workpiece. Allow the disc to do the work; do not force it. Ensure the workpiece is securely clamped.
- Avoid overloading the tool. If the motor slows down significantly, reduce pressure.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your angle grinder. Always disconnect the battery pack before performing any maintenance.

- **Cleaning:** Keep the ventilation openings clear and free of dust and debris. Use a soft brush or compressed air to clean the tool. Do not use water or chemical cleaners.
- **Disc Inspection:** Regularly inspect grinding and cutting discs for cracks, chips, or excessive wear. Replace damaged discs immediately.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Recharge batteries before they are completely depleted to prolong their lifespan.
- **Storage:** Store the tool in a dry, secure location out of reach of children.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly inserted. Safety switch not engaged.	Ensure battery is fully charged and correctly inserted. Engage the safety switch before pressing the trigger.
Tool loses power during operation.	Battery low or overloaded.	Recharge battery. Reduce pressure on the workpiece.
Excessive vibration.	Disc improperly installed or damaged.	Check disc installation. Replace damaged disc.
Sparks are excessive.	Incorrect disc for material or improper angle.	Ensure correct disc type. Adjust grinding/cutting angle.

7. SPECIFICATIONS

Feature	Value
Brand	Generic
Model Number	TAGLI211156
Motor Type	Brushless
Voltage	20V
No-load Speed	3000/8000 RPM
Disc Diameter	115 mm (4-1/2 inches)
Spindle Thread	M14
Power Source	Battery Powered
Color	Green
Item Weight	200 grams
Product Dimensions	10 x 20 x 37 cm
Manufacturer	Made in China
Included Components	Tool only (Battery, charger, and disc sold separately)

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your purchase or contact the retailer where the product was acquired. Keep your proof of purchase for any warranty claims.

For technical support or service inquiries, please contact the customer service department of the brand or your local distributor. Contact details are typically provided in the product packaging or on the manufacturer's official website.