

VISLONE ABS+CU+FE

Vislone Mini 12V Cordless Angle Grinder Instruction Manual

Model: ABS+CU+FE

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using this power tool to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- **Work Area Safety:** Keep the 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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

2. PRODUCT OVERVIEW

The Vislone Mini 12V Cordless Angle Grinder is a compact and versatile tool designed for grinding, cutting, and polishing various materials. Its lightweight and cordless design offer portability and ease of use.



Image 2.1: Overview of the Vislone Mini Angle Grinder with key components labeled. This includes the Safety Shield, Bearing Switch, Brush Motor, Quick Stop Design, Lightweight Single Hand Operation area, and the 12V High Quality Battery.

Package Contents:

- 1 x Cordless Angle Grinder
- 2 x 12V 1300mAh Batteries
- 1 x Charger
- 1 x Pair of Gloves (optional, may vary by package)
- 6 x Saw Blades (or 2 x 3-inch metal cutting wheels, may vary by package)
- 1 x Wrench
- 1 x User Manual (English)



Image 2.2: The complete package contents, including the angle grinder, two 12V batteries, a charger, a pair of gloves, multiple cutting/grinding discs, and a wrench.

3. SETUP

3.1 Charging the Battery

1. Connect the charger to a standard power outlet (110-240V, 50/60Hz).
2. Insert the 12V 1300mAh battery into the charger. Ensure it is securely seated.
3. Allow the battery to charge fully. The charger typically has an indicator light that changes color or turns off when charging is complete.
4. Once charged, remove the battery from the charger.

3.2 Installing/Changing Grinding/Cutting Discs

Always ensure the battery is removed from the grinder before installing or changing discs to prevent accidental startup.

1. Press and hold the spindle lock button (if present) to prevent the spindle from rotating.
2. Use the provided wrench to loosen the flange nut counter-clockwise.
3. Remove the old disc (if any) and clean the flanges.
4. Place the new 76mm (3-inch) grinding or cutting disc onto the spindle, ensuring it is centered.
5. Replace the flange nut and tighten it clockwise with the wrench while holding the spindle lock button. Do not overtighten.
6. Ensure the safety shield is properly positioned to protect against sparks and debris.



Image 3.1: Visual guide demonstrating the process of attaching a grinding disc to the angle grinder using the provided wrench and spindle lock mechanism.

4. OPERATING INSTRUCTIONS

4.1 General Operation

1. Ensure the battery is fully charged and securely inserted into the grinder.
2. Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.
3. Secure the workpiece firmly to prevent movement during operation.

4. To start the grinder, press the power switch. The tool will reach its operating speed of 19,500 RPM quickly.
5. Apply light, even pressure to the workpiece. Let the tool do the work. Avoid excessive force, which can damage the disc or the tool.
6. Move the grinder smoothly across the material. For cutting, maintain a steady line. For grinding or polishing, use a consistent motion.
7. To stop the grinder, release the power switch. The quick stop design will rapidly halt the disc rotation.

4.2 Applications

This mini angle grinder is suitable for a variety of tasks, including:

- **Metal Cutting:** Ideal for cutting small metal rods, pipes, and sheets.
- **Metal Grinding/Polishing:** Effective for smoothing welds, removing rust, and preparing metal surfaces.
- **Tile Cleaning/Cutting:** Can be used for cleaning grout lines or making small cuts in tiles.
- **Wood Cutting/Polishing:** Suitable for cutting thin wooden boards and polishing wood surfaces.
- **Plastic Cutting:** Capable of cutting various plastic materials.

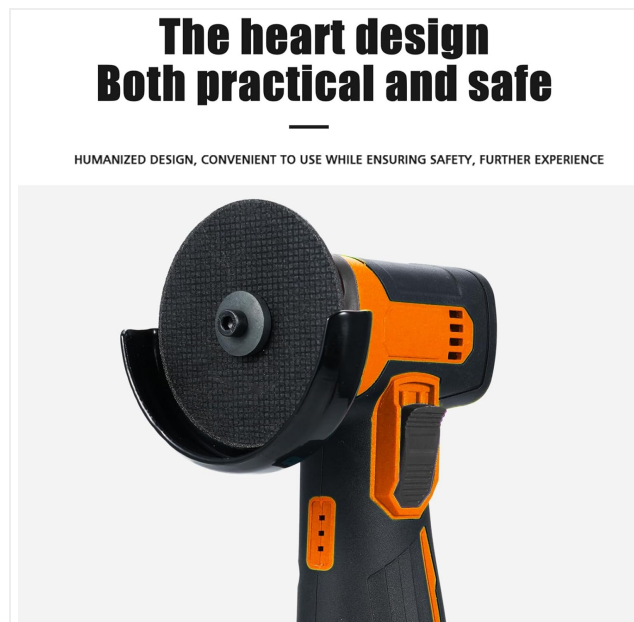


Image 4.1: Examples of the grinder's versatility, showing its use for metal cutting, metal polishing, rust removal, welding scar polishing, wood cutting, and wood polishing.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the battery before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Periodically clean the ventilation openings to prevent overheating. Use compressed air if necessary.
- Remove any debris or dust from the disc guard and spindle area.

5.2 Storage

- Store the tool and batteries in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery is partially charged (around 50%) before long-term storage to prolong its lifespan.
- Keep out of reach of children.

5.3 Battery Care

- Do not store batteries in extreme temperatures.
- Avoid fully discharging the battery frequently, as this can reduce its overall life.
- If the battery becomes hot during use, allow it to cool down before recharging.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted.
Reduced power or speed	Battery low or disc worn out.	Recharge battery or replace the disc.
Excessive vibration	Disc improperly installed or damaged.	Check disc installation; replace if damaged or unbalanced.
Tool overheats	Blocked ventilation or continuous heavy use.	Clean ventilation slots. Allow tool to cool down. Reduce load.

7. SPECIFICATIONS

Feature	Specification
Brand	VISLONE
Model	ABS+CU+FE
Battery Voltage	12 V
Battery Capacity	1300 mAh
No-load Speed	19,500 RPM
Grinding Disc Diameter	76 mm (3 inches)
Spindle Thread	M5
Charger Input	110-240 V, 50/60 Hz
Charger Output Voltage	12.6 V
Charger Output Current	2.0 A
Product Dimensions	20 x 10.5 x 7.5 cm (7.9 x 4.1 x 2.9 inches)
Product Weight	900 g (31.74 oz)
Material	ABS, Copper, Iron

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Vislone