

WORKPRO W125049AU

WORKPRO 20V Cordless Angle Grinder User Manual

Model: W125049AU

1. INTRODUCTION

Thank you for choosing the WORKPRO 20V Cordless Angle Grinder. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

This powerful and versatile tool is designed for various tasks including grinding, derusting, cutting, and polishing, offering cordless convenience and high performance.

2. SAFETY INSTRUCTIONS

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

General Power Tool Safety Warnings:

- **Work Area Safety:** Keep work area clean and well lit. 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:** Stay alert, watch what you are doing and use common sense. Always wear eye protection and hearing protection. Use appropriate personal protective equipment (PPE) such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **Power 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 Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

Specific Angle Grinder Safety Warnings:

- This power tool is intended to function as a grinder, sander, wire brush or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.
- Do not use accessories which are not specifically designed and recommended by the tool manufacturer.
- Ensure the accessory is correctly mounted and tightened before use.

- Always use the correct protective guard for the type of work being performed (grinding or cutting).
- Do not operate the tool without the guard properly installed.
- Maintain a firm grip on the power tool with both hands.
- Keep hands away from the rotating accessory.
- Be aware of kickback, which is a sudden reaction to a pinched or snagged rotating wheel.
- Do not apply excessive pressure during cutting, as this can activate the protection and stop the machine. If this occurs, turn off the switch and restart immediately.

3. PACKAGE CONTENTS

Carefully unpack all items and ensure you have received all components listed below. If any items are missing or damaged, please contact WORKPRO customer service.

- 1 x WORKPRO Cordless Angle Grinder
- 1 x 20V 4.0 Ah Lithium-ion Battery
- 1 x Fast Charger
- 5 x Cutting Discs (Ø125mm)
- 2 x Protective Guards (for cutting and grinding)
- 1 x Multi-position Auxiliary Handle
- 1 x Wrench



Image 3.1: The WORKPRO 20V Cordless Angle Grinder along with its complete set of accessories, including the battery, charger,

cutting discs, protective guards, auxiliary handle, and wrench.

4. PRODUCT OVERVIEW

Familiarize yourself with the different parts of your WORKPRO Angle Grinder before operation.



Image 4.1: Detailed diagram showing the key components of the angle grinder, including the rubber auxiliary handle, safety lock, spindle lock, metal safety wheel guard for grinding, battery, LED indicator, and the quick-change guard mechanism.

1. **Rubber Auxiliary Handle:** Provides additional grip and control.
2. **Safety Lock:** Prevents accidental startup.
3. **Spindle Lock:** Used to lock the spindle for easy disc changes.
4. **Metal Safety Wheel Guard (for Grinding):** Protects the user during grinding operations.
5. **Battery:** 20V 4.0Ah Lithium-ion battery for cordless operation.
6. **LED Indicator:** Displays battery charge level.
7. **Change The Guard Without Tool:** Quick-release mechanism for changing protective guards.
8. **Metal Safety Wheel Guard (for Cutting):** Protects the user during cutting operations.
9. **Cut-Off Wheels:** Discs for cutting various materials.
10. **Charger:** Fast charger for the 20V battery.
11. **Spanner:** Wrench for securing and removing discs.

5. SETUP

5.1 Charging the Battery

- Insert the 20V 4.0Ah Lithium-ion battery into the fast charger.
- Plug the charger into a standard electrical outlet (Type C - Two round pins, French type).
- The LED indicator on the battery will show the charging status. Ensure the battery is fully charged before first use.

5.2 Attaching the Auxiliary Handle

- The auxiliary handle can be attached in multiple positions (left, right, or top) for optimal comfort and control.
- Screw the rubber auxiliary handle firmly into the desired threaded hole on the grinder head.



Image 5.1: Illustration of the 3-position anti-vibration and non-slip rubber handle, demonstrating its adjustability for user comfort and control.

5.3 Installing/Changing Discs and Protective Guards

- Always ensure the battery is removed before changing discs or guards.

- Press and hold the spindle lock button to prevent the spindle from rotating.
- Use the provided wrench to loosen the flange nut and remove the old disc (if any).
- Place the desired cutting or grinding disc onto the spindle, ensuring it is centered.
- Replace the flange nut and tighten it securely with the wrench while holding the spindle lock.
- Select the appropriate protective guard for your task (cutting or grinding). The guards feature a quick-change mechanism.
- Attach the guard by aligning it with the grinder head and snapping it into place. Ensure it is securely fastened and does not tilt.



Image 5.2: The angle grinder shown with the included 5 metal/stainless cut-off wheels and 2 quick-change protective guards, one for cut-off wheels and one for flap discs.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- Insert the charged battery into the battery slot until it clicks into place.
- To start the grinder, locate the switch in the middle-top position. Push the switch to the right, then push it upwards. This two-step operation is a safety feature to prevent accidental startup.

- To turn off the grinder, simply release the switch.



Image 6.1: Close-up view of the angle grinder's middle switch, highlighting the two-step operation (1. push right, 2. push up) for enhanced safety and the cruise speed function.

6.2 Grinding and Cutting Techniques

- Hold the grinder firmly with both hands, using the auxiliary handle for stability.
- Allow the disc to reach full speed (7500 rpm) before contacting the workpiece.
- For grinding, apply light, even pressure and move the grinder smoothly across the surface.
- For cutting, make shallow passes, gradually increasing the depth. Do not force the tool.
- If the machine stops due to excessive pressure, immediately turn off the switch, remove the pressure, and restart the machine.
- Always direct sparks away from yourself and others, and away from flammable materials.



Image 6.2: A collage demonstrating the angle grinder in action for different applications, including grinding metal, cutting pipes, and surface preparation, with sparks visible during operation.

7. MAINTENANCE

7.1 Cleaning

- After each use, disconnect the battery and clean the tool with a soft, dry cloth.
- Remove any dust or debris from the ventilation openings to prevent overheating.
- Do not use water or chemical cleaners.

7.2 Battery Care

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store the battery in a discharged state for extended periods. Recharge it periodically if not in use.
- Do not expose the battery to water or fire.

7.3 Disc Replacement

- Replace discs when they become worn, damaged, or lose their effectiveness.

- Always use discs with the correct diameter (Ø125mm) and bore size for this grinder.
- Follow the instructions in Section 5.3 for safe disc replacement.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your WORKPRO Angle Grinder.

Problem	Possible Cause	Solution
Grinder does not start.	Battery not charged or not inserted correctly. Safety switch not engaged properly.	Ensure battery is fully charged and securely inserted. Follow the two-step switch operation (push right, then push up).
Grinder stops during operation.	Excessive pressure applied, activating overload protection. Battery is low.	Reduce pressure on the workpiece. Turn off the switch, then restart. Recharge the battery.
Excessive vibration or noise.	Disc is worn, damaged, or improperly installed. Guard is loose or tilted.	Inspect and replace the disc if necessary. Ensure the disc is correctly mounted and tightened. Re-secure the protective guard, ensuring it is not tilted.
Poor cutting/grinding performance.	Worn or incorrect disc. Insufficient speed due to low battery.	Replace with a new, appropriate disc. Recharge the battery.

9. SPECIFICATIONS

Detailed technical specifications for the WORKPRO 20V Cordless Angle Grinder.

Feature	Specification
Brand	WORKPRO
Model Number	W125049AU
Power Source	Battery Powered
Battery Type	20V 4.0Ah Lithium-ion
No-Load Speed	7500 rpm
Disc Diameter	Ø125mm
Weight (without battery)	1.75 kg
Total Weight (with battery)	3.58 kg (Package weight)
Material	Alloy Steel
Color	Grey, Black, Green
Manufacturer	Hang Zhou Great Star Industrial Co.,LTD

Feature	Specification
UPC	820909764137

No tireness after long-time work

Only weighs **1.75 kg** without battery

Other overweight Angle grinders

Image 9.1: The angle grinder placed on a scale, illustrating its lightweight design at only 1.75 kg without the battery, which helps reduce user fatigue during prolonged work.

10. WARRANTY AND SUPPORT

The WORKPRO 20V Cordless Angle Grinder comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, neglect, unauthorized repairs, or normal wear and tear.

For warranty claims, technical support, or inquiries about spare parts, please contact WORKPRO customer service through your original point of purchase or visit the official WORKPRO website.

Please retain your proof of purchase for warranty validation.

