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> Parkside Performance 20V 20-Li C3 Cordless Angle Grinder User Manual

PSIDE PP-20-Li-F6 (PWSAP 20-Li)

Parkside Performance 20V 20-Li C3 Cordless Angle Grinder User Manual

Model: PP-20-Li-F6 (PWSAP 20-Li) | Brand: PSIDE

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Parkside Performance 20V 20-Li C3 Cordless Angle Grinder. Please read these instructions carefully before first use and keep them for future reference. This device is designed for domestic applications as specified by the manufacturer.

2. SAFETY INFORMATION

Always observe all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. Refer to the original manufacturer's instruction manual for comprehensive safety guidelines.

- 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. Water entering a power tool will increase the risk of electric shock.
- Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry.
- 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.

3. PRODUCT OVERVIEW

The Parkside Performance 20V 20-Li C3 is a powerful cordless angle grinder featuring a brushless motor for extended lifespan and reduced wear. It offers electronic speed control, soft start, and quick stop functions for enhanced user control and safety.



Figure 1: The Parkside Performance 20V 20-Li C3 Cordless Angle Grinder, showcasing its compact design and main body.

Key Features:

- **Brushless Motor:** Ensures a long service life with minimal wear.
- **Electronic Control:** Features speed levels, battery status indicator, and smart application LED.
- **Smart Battery Compatibility:** Optimal performance with PARKSIDE X 20 V PAPS smart batteries, allowing individual device configuration and data monitoring via the Parkside app.
- **Robust Gear Housing:** Made from die-cast aluminum with a 3-position anti-vibration front handle.
- **Soft Start & Quick Stop:** Electronic soft start and rapid braking for safety and control.
- **Tool-Free Adjustments:** 2-in-1 protective cover and quick-change nut for discs.
- **Spindle Lock:** Facilitates easy disc changes.
- **Constant Power Control:** Automatic power supply for consistent performance.
- **Overload Protection:** Automatic system to prevent damage.
- **Dust Protection:** Interchangeable dust protection grille on the main handle end to prolong machine life.

4. SETUP

4.1 Unpacking

Carefully remove all components from the plastic case. Verify that all included accessories are present as listed in Section 10.

4.2 Attaching the Front Handle

The anti-vibration front handle can be attached in three different positions on the gear housing for optimal ergonomics and control. Screw the handle firmly into the desired position.

4.3 Adjusting the Protective Cover

The 2-in-1 protective cover can be adjusted without tools. Position it to provide maximum protection for your specific application. Ensure it is securely fastened before operation.

4.4 Installing/Changing Discs

1. Ensure the tool is switched off and the battery is removed.
2. Press and hold the spindle lock button.
3. Use the included holding wrench (stored in the front handle) to loosen the quick-change nut.
4. Place the desired disc (up to 125mm diameter) onto the spindle, ensuring it is correctly seated.
5. Tighten the quick-change nut firmly by hand. The tool-free design allows for quick and secure disc changes.
6. Release the spindle lock button.



Figure 2: The angle grinder with a cutting disc installed, demonstrating the tool's readiness for operation.

4.5 Battery Installation

This device is compatible with all batteries from the Parkside X 20V Team series. Insert a charged 20V battery (recommended 20V/4Ah) into the battery slot until it clicks into place. To remove, press the battery release button and pull the battery out.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To switch on the angle grinder, slide the ON/OFF switch forward. The electronic soft start feature will gradually bring the disc up to speed. To switch off, slide the ON/OFF switch backward. The quick stop function will rapidly halt the disc.

rotation.

5.2 Speed Control

The device features electronic speed control. Adjust the speed levels according to the material and application. Refer to the device's display or the Parkside app (if using smart batteries) for current speed settings and battery status.

5.3 General Usage Tips

- Always hold the tool firmly with both hands, using the main handle and the attached front handle.
- Allow the disc to reach full speed before making contact with the workpiece.
- Apply moderate pressure; do not force the tool. The constant power control feature will automatically adjust power for consistent performance.
- Be aware of sparks and debris. Ensure bystanders are at a safe distance.
- The tool is suitable for common discs up to 125 mm, including cutting discs, deburring discs, cup brushes, or disc brushes.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the tool, especially the ventilation slots, to prevent overheating and ensure proper function. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaning agents.

6.2 Dust Protection Grille

The main handle end features an interchangeable dust protection grille. Periodically check and clean this grille to prevent dirt from entering the machine, which helps prolong its lifespan. Replace if damaged.

6.3 Storage

Store the angle grinder in its plastic case in a dry, secure location, out of reach of children. Ensure the battery is removed before storage. Protect the tool from moisture and frost.

7. TROUBLESHOOTING

If you encounter issues with your angle grinder, refer to the following common troubleshooting steps:

- **Tool does not start:** Ensure the battery is fully charged and correctly inserted. Check the ON/OFF switch position.
- **Reduced performance:** The battery might be low. Recharge or replace with a fully charged battery. Check if the disc is worn or damaged. Ensure the dust protection grille is clean.
- **Overheating:** Stop operation immediately. Allow the tool to cool down. Check for blockages in ventilation slots and ensure the dust protection grille is clean. The automatic overload protection should prevent severe damage.
- **Excessive vibration:** Check if the disc is correctly installed and not damaged. Ensure the front handle is securely tightened.

For persistent issues not resolved by these steps, contact customer support or refer to the full manufacturer's manual.

8. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Number	PP-20-Li-F6 (PWSAP 20-Li)
Brand	PSIDE / PARKSIDE PERFORMANCE®
Voltage	20 V
No-load Rotation Speed	10,000 rpm
Max. Disc Diameter	125 mm
Spindle Thread	M14
Recommended Battery	20 V / 4 Ah (Parkside X 20V Team series)
Wattage	600 watts
Material	Aluminum, Plastic
Dimensions (without battery)	Approx. 34.8 x 13.6 x 10.9 cm
Weight (without battery)	Approx. 1.852 kg
Power Source	Battery

9. INCLUDED ACCESSORIES

The following items are included with your Parkside Performance 20V 20-Li C3 Cordless Angle Grinder:

- 1 x Cutting Disc (pre-assembled)
- 1 x Front Handle (pre-assembled)
- 1 x Holding Wrench (stored in the front handle)
- 1 x Plastic Storage Case

Note: Battery and charger are not included and must be purchased separately. This device is compatible with all batteries from the Parkside X 20V Team series.

10. SUPPORT & WARRANTY

For detailed support, troubleshooting, or warranty information, please refer to the original manufacturer's documentation provided with your product. It is crucial to consult the official manual for specific warranty terms and conditions, as well as contact information for technical assistance.

This product is marketed under the PSIDE brand, and the included device is a PARKSIDE PERFORMANCE® product. There is no cooperation, license, or commercial relationship between PSIDE and the PARKSIDE PERFORMANCE® brand beyond this marketing arrangement.

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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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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