



Manuals.plus /

› Parkside /

› Parkside Performance Smart Battery 4 Ah 20V User Manual

## Parkside PAPS 204 A1

# Parkside Performance Smart Battery 4 Ah 20V User Manual

Model: PAPS 204 A1

## INTRODUCTION

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This manual provides essential instructions for the safe and efficient use of your Parkside Performance Smart Battery 4 Ah 20V (Model PAPS 204 A1). This lithium-ion battery features smart technology, Bluetooth connectivity for app control, and cell balancing for extended lifespan and performance. Please read this manual thoroughly before first use and keep it for future reference.

## SAFETY INSTRUCTIONS

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Always observe the following safety precautions when handling and using the battery:

- Do not open, disassemble, or modify the battery.
- Do not expose the battery to heat, direct sunlight, or fire.
- Avoid short-circuiting the battery terminals.
- Do not immerse the battery in water or other liquids.
- Store the battery in a cool, dry place, away from flammable materials.
- Keep the battery out of reach of children.
- Use only compatible chargers for charging the battery.
- If the battery is damaged, leaking, or shows signs of overheating, discontinue use immediately and dispose of it properly.
- Do not charge the battery in temperatures below 0°C (32°F) or above 40°C (104°F).

## PRODUCT OVERVIEW

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The Parkside Performance Smart Battery 4 Ah 20V is a high-performance lithium-ion battery designed for the PARKSIDE X 20V Team series of power tools. It integrates advanced features for enhanced durability and user control.

## Key Features:

- **Smart Technology:** Utilizes 21700 cells for powerful performance and compact dimensions.
- **Bluetooth Connectivity:** Connects to the Lidl Home app for real-time data monitoring and performance parameter configuration.
- **Cell Balancing:** Ensures uniform cell usage, extending battery life and runtime.
- **Compact Design:** Approximately 37% less volume and 13% less weight compared to the standard Parkside 4 Ah PAP 20 B3 battery.
- **Adjustable Modes:** Offers Performance, Balance, Eco, and Expert modes via the app for optimal tool adaptation.
- **Battery Monitoring:** Provides data on charge status, remaining time, charging time, total usage time, and more through the app.
- **Charge Level Indicator:** A 3-step indicator on the battery displays the current charge status.
- **Compatibility:** Fully compatible with all devices in the PARKSIDE X 20V Team series.

## Components:

Familiarize yourself with the main components of your smart battery:

1. Battery Pack
2. Release Button (red)
3. Charge Level Indicator (LEDs)
4. Bluetooth Pairing Button (red, with Bluetooth symbol)
5. Tool Connection Terminals



Figure 1: Angled view of the Parkside Performance Smart Battery 4 Ah 20V. Shows the black battery pack with red release button, charge indicator, and Bluetooth button on top. The "PARKSIDE X 20V TEAM" logo is visible on the side.



Figure 2: Top view of the battery, highlighting the red release button, the three-segment charge level indicator, and the red Bluetooth pairing button.



Figure 3: Top-down view of the battery, clearly showing the tool connection terminals, the red release button, and the charge indicator.

## SETUP

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### Initial Charging:

Before first use, fully charge the battery. Use a compatible charger, such as the PARKSIDE 20V / 12A PLGS 2012 A1 Smart Charger. Connect the battery to the charger and plug the charger into a power outlet. The charge

indicator on the battery and/or charger will show the charging progress. Once fully charged, disconnect the battery from the charger.

### **Connecting to Lidl Home App (Bluetooth):**

1. Download and install the "Lidl Home" app on your smartphone or tablet.
2. Ensure Bluetooth is enabled on your mobile device.
3. Press and hold the Bluetooth pairing button on the battery until the Bluetooth indicator light flashes.
4. Open the Lidl Home app and follow the on-screen instructions to add a new device.
5. Select the Parkside Smart Battery from the list of available devices.
6. Once connected, the Bluetooth indicator on the battery will glow steadily, and you will be able to monitor and configure battery settings via the app.

## **OPERATING THE SMART BATTERY**

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### **Inserting and Removing the Battery:**

- **To Insert:** Align the battery with the battery slot on your compatible PARKSIDE X 20V Team tool. Slide the battery firmly into place until it clicks, indicating it is securely locked.
- **To Remove:** Press the red release button on the battery and slide the battery out of the tool.

### **Checking Charge Level:**

Press the Bluetooth pairing button briefly to activate the 3-step LED charge level indicator on the battery. The number of illuminated LEDs indicates the approximate remaining charge.

### **Configuring Performance Modes (via Lidl Home App):**

Through the Lidl Home app, you can select different performance modes to optimize the battery's output for specific tasks or tools:

- **Performance Mode:** Provides maximum power output for demanding applications.
- **Balance Mode:** Offers a good balance between power and runtime for general use.
- **Eco Mode:** Prioritizes extended runtime by reducing power output, suitable for lighter tasks.
- **Expert Mode:** Allows for custom configuration of power and other parameters (advanced users).

Select the desired mode within the app, and the battery will adjust its output accordingly.

## **MAINTENANCE**

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### **Charging:**

- Always use the recommended PARKSIDE 20V / 12A PLGS 2012 A1 Smart Charger or another compatible charger.
- Do not overcharge the battery. Disconnect it once fully charged.
- Charge the battery in a well-ventilated area, away from flammable materials.
- Avoid charging in extreme temperatures.

### **Storage:**

- For long-term storage, charge the battery to approximately 50-70% capacity.
- Store the battery in a cool, dry place (ideally between 10°C and 20°C / 50°F and 68°F).
- Avoid storing in direct sunlight or areas with high humidity.
- Periodically check the battery's charge level during long-term storage and recharge if necessary to prevent deep discharge.

### Cleaning:

Clean the battery housing with a soft, dry cloth. Do not use solvents or abrasive cleaners. Keep the connection terminals clean and free of debris.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging.	Charger not plugged in; faulty charger; battery too hot/cold; damaged battery.	Ensure charger is properly connected. Try a different outlet. Allow battery to reach room temperature. If problem persists, contact support or replace battery/charger.
Battery not connecting to Lidl Home app.	Bluetooth off; battery not in pairing mode; app issue; interference.	Ensure Bluetooth is enabled on your device. Press and hold the battery's Bluetooth button to enter pairing mode. Restart the app or your mobile device. Try pairing in a different location.
Battery runtime is shorter than expected.	Battery not fully charged; old battery; operating in Performance mode; extreme temperatures.	Ensure battery is fully charged. Consider battery age. Switch to Balance or Eco mode for longer runtime. Operate within recommended temperature ranges.
Battery does not fit tool.	Incompatible tool.	Ensure your tool is part of the PARKSIDE X 20V Team series.

## SPECIFICATIONS

<b>Feature</b>	<b>Detail</b>
Model	PAPS 204 A1
Battery Type	Lithium-ion
Nominal Voltage	20 V
Capacity	4 Ah (4000 mAh)
Cell Type	21700 cells
Connectivity	Bluetooth (Lidl Home App)
Dimensions (L x W x H)	Approx. 12.3 x 5.3 x 8.4 cm
Weight	Approx. 601 g
Recommended Charger	PARKSIDE 20V / 12A PLGS 2012 A1 Smart Charger
Compatibility	PARKSIDE X 20V Team series

## **WARRANTY AND SUPPORT**

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For information regarding warranty, returns, or technical support, please refer to the documentation provided with your purchase or contact the retailer or manufacturer directly. Specific warranty terms may vary by region and point of purchase.