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### KIMO 20V 4.0

# KIMO 20V 4000mAh Lithium-Ion Battery Pack Instruction Manual

Model: 20V 4.0 | Brand: KIMO

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and effective use, maintenance, and troubleshooting of your KIMO 20V 4000mAh Lithium-Ion Battery Pack. Please read this manual thoroughly before first use and retain it for future reference.



Image 1: KIMO 20V 4000mAh Lithium-Ion Battery Pack.

## 2. IMPORTANT SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury.

- **Charge Properly:** Only use KIMO-approved chargers for KIMO 20V batteries. Using an incompatible charger may cause fire or explosion.
- **Initial Charge:** The battery product you just received needs to be fully charged before it can be used.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals. Keep the battery away from metal objects like keys, coins, paper clips, and jewelry.
- **Prevent Damage:** Do not drop, hit, or otherwise damage the battery. If the battery is damaged, do not use it.
- **Temperature Control:** Do not expose the battery to extreme heat (above 122°F / 50°C) or cold (below 32°F / 0°C). Avoid direct sunlight.
- **Water Exposure:** Do not immerse the battery in water or other liquids.
- **Disposal:** Do not dispose of batteries in fire. They may explode. Follow local regulations for battery disposal.

- **Children Safety:** Keep batteries out of reach of children.
- **Compatibility:** The KIMO 20V battery is only suitable for KIMO 20V products and not for 12V products.
- **Overheating/Overcharge Protection:** KIMO 4.0 batteries have built-in overheating and overcharge protection. Indicator lights on the battery help prevent overcharging and provide easy status updates.

## Built-in

# 5 Safety Protection Chip



**Over-voltage Protection**



**Over-current Protection**



**Over-heat Protection**



**Over-charge Protection**



**Over-discharge Protection**



Image 2: Illustration of the KIMO battery's 5 built-in safety protection features: Over-voltage, Over-current, Over-heat, Over-charge, and Over-discharge Protection.

## 3. SETUP AND CHARGING

### 3.1 Initial Charging

Before first use, fully charge the battery.

1. Connect the KIMO charger to a power outlet.
2. Align the battery with the charger and slide it in until it clicks into place. Ensure the green button on the battery is pressed while installing to allow the battery pack to slide fully in and secure.
3. The charger's indicator lights will show the charging status. Refer to your charger's manual for specific light patterns.
4. Once fully charged, remove the battery from the charger.



Image 3: KIMO battery being charged on a fast charger, illustrating the 1-hour quick full charge capability.

### 3.2 Installing the Battery into a Tool

1. Ensure the power tool is turned off and disconnected from any power source if applicable.
2. Align the battery with the battery slot on the tool.
3. Press the green button on the battery and slide the battery pack firmly into the tool until it locks securely in place.
4. To remove, press the green release button and slide the battery out.

# One-Click Install

Easy use push button design for rapid installation and reduced wear



Image 4: A KIMO battery being installed into a power tool with a "One-Click Install" feature, highlighting the push-button design for rapid installation.

## 4. OPERATING THE BATTERY PACK

### 4.1 Power Indicator

The KIMO 20V 4000mAh battery features a 4-level LED power display to provide instant battery status. Press the button

next to the indicator lights to check the remaining charge.

- **4 Lights:** 75-100% charge
- **3 Lights:** 50-75% charge
- **2 Lights:** 25-50% charge
- **1 Light:** Below 25% charge, recharge soon

# Smart Battery Power Indicator

4-Level LED power display provides you with instant battery status



Image 5: Close-up of the KIMO battery's 4-level LED power indicator, showing how different numbers of illuminated lights correspond to charge percentages (25%, 50%, 75%, 100%).

## 4.2 Compatible Tools

This 4.0Ah 20V 18650 Lithium Ion Battery is compatible with the KIMO 20V power tools line, including but not limited to:

- Drill Driver
- Angle Grinder
- Reciprocating Saw
- Oscillating Tool
- Brad Nailer
- Leaf Blower
- Buffer Polisher



Image 6: An illustration showing the KIMO 20V 4000mAh battery's compatibility with over 25 KIMO 20V power tools, including drills, grinders, saws, and blowers.

## 5. MAINTENANCE AND STORAGE

### 5.1 General Maintenance

- Keep the battery clean and dry. Wipe with a soft, dry cloth if necessary.
- Inspect the battery for any signs of damage before each use.
- Do not attempt to open or modify the battery pack.

### 5.2 Storage

If you do not plan to use the battery for a month or more, store it in a clean, dry, cool place away from heat sources and metal objects.

- Store batteries at approximately 50% charge for optimal long-term health.
- Avoid storing in direct sunlight or areas with high humidity.
- Periodically check the charge level during long-term storage and recharge if necessary to prevent deep discharge.



# Batteries for Easy Backup

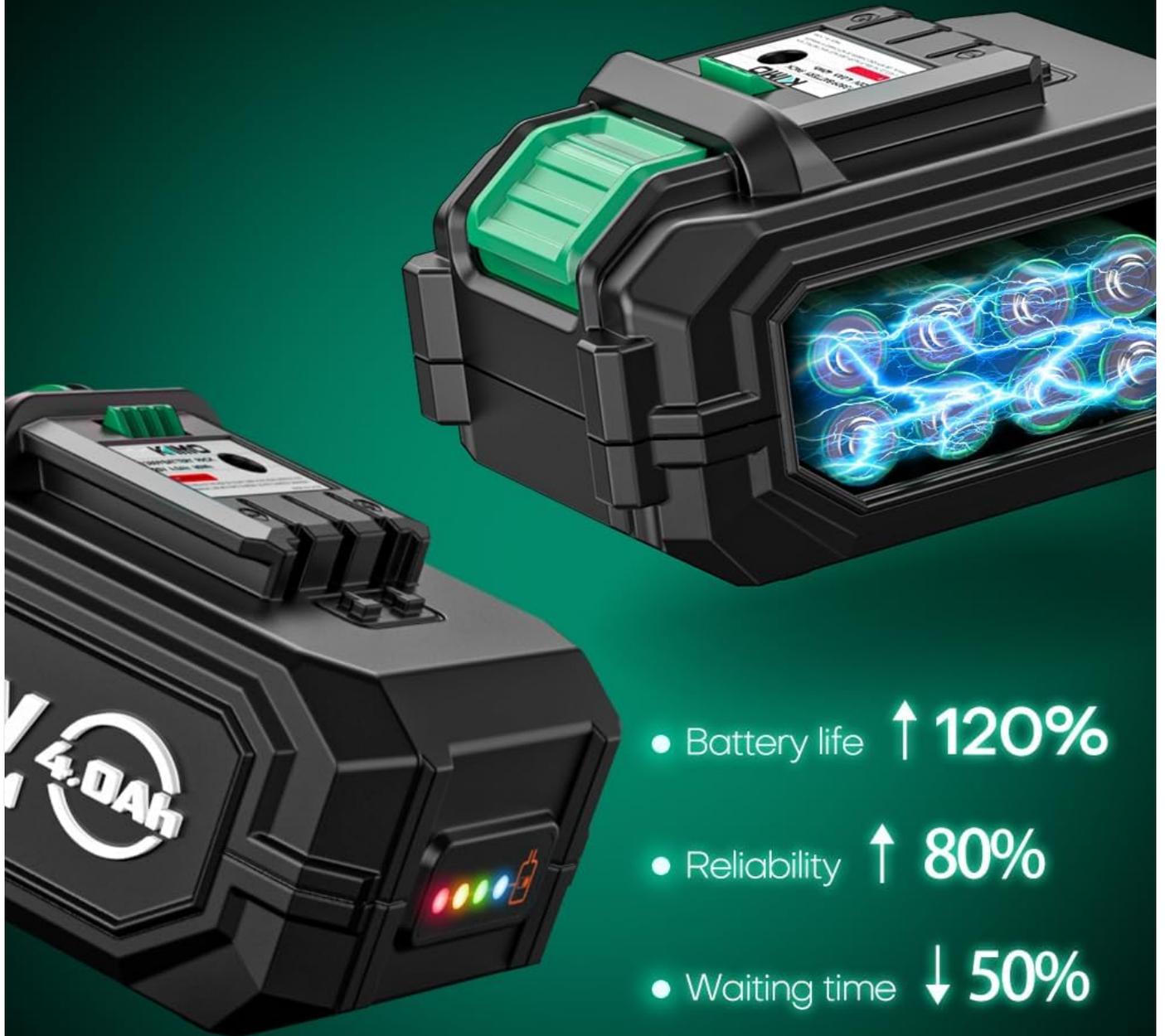


Image 7: Two KIMO 20V 4000mAh batteries, emphasizing the benefit of having a backup for extended use and improved reliability.



# Proven Durability

Engineered to last, over **1,000** charging cycles for unmatched lifespan

Image 8: Visual representation of the KIMO battery's proven durability, engineered to last over 1,000 charging cycles for an unmatched lifespan.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	<ul style="list-style-type: none"> <li>◦ Charger not plugged in.</li> <li>◦ Battery not properly seated in charger.</li> <li>◦ Charger or battery is faulty.</li> <li>◦ Battery is too hot or too cold.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure charger is securely plugged into a working outlet.</li> <li>◦ Re-seat the battery firmly into the charger.</li> <li>◦ Test with another KIMO battery/charger if available. Contact KIMO support if issue persists.</li> <li>◦ Allow battery to reach room temperature before charging.</li> </ul>
Battery not powering tool	<ul style="list-style-type: none"> <li>◦ Battery not fully charged.</li> <li>◦ Battery not properly installed in tool.</li> <li>◦ Battery or tool is faulty.</li> <li>◦ Battery is deeply discharged or aged.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check battery indicator and charge fully.</li> <li>◦ Re-install battery, ensuring it clicks into place.</li> <li>◦ Test with another KIMO battery/tool if available. Contact KIMO support.</li> <li>◦ If battery ages, replace it in time, otherwise, the battery can not be used normally.</li> </ul>
LED indicator lights not working	<ul style="list-style-type: none"> <li>◦ Battery is completely discharged.</li> <li>◦ Internal fault.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Attempt to charge the battery.</li> <li>◦ Contact KIMO support.</li> </ul>

## 7. SPECIFICATIONS

Feature	Detail
Model Number	20V 4.0
Battery Type	Lithium Ion
Voltage	20V
Capacity	4000mAh (4.0Ah)

Feature	Detail
Reusability	Rechargeable
Item Weight	2.97 pounds
Package Dimensions	9.96 x 4.45 x 3.15 inches
Safety Protection	Over-voltage, Over-current, Over-heat, Over-charge, Over-discharge Protection
Charging Cycle Life	Engineered for over 1,000 charging cycles

## 8. WARRANTY AND SUPPORT

KIMO is dedicated to delivering quality products. For warranty information, product support, or to inquire about replacement parts, please visit the official KIMO website or contact KIMO customer service directly.

**KIMO Official Store:** [Visit KIMO Store on Amazon](#)

