

Ingco FBLI20011

Ingco 20V 2Ah Li-Ion Battery (Model FBLI20011) User Manual

For use with Ingco P20S Cordless Tools

1. INTRODUCTION

Thank you for choosing the Ingco 20V 2Ah Li-Ion Battery, Model FBLI20011. This battery is designed to provide reliable power for your Ingco P20S series cordless tools. This manual provides essential information for the safe and efficient use, maintenance, and storage of your battery. Please read this manual thoroughly before first use and keep it for future reference.



Figure 1: Ingco 20V 2Ah Li-Ion Battery (Model FBLI20011) and its retail packaging.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling and using your Li-Ion battery:

- Do not disassemble, open, or shred battery pack.
- Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not subject battery pack to mechanical shock.

- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery pack clean and dry.
- Recharge only with the charger specified by Ingco. Using any other charger may pose a risk of fire.
- Do not use any battery pack that is not designed for use with the equipment.
- Keep battery pack out of the reach of children.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Dispose of battery pack properly at designated collection points.

3. PRODUCT FEATURES

The Ingco 20V 2Ah Li-Ion Battery is engineered for optimal performance and durability:

- **Voltage:** 20V
- **Capacity:** 2.0Ah Lithium-Ion
- **Compatibility:** Suitable for all Ingco P20S platform machines.
- **LED Battery Charge Indicator:** Provides real-time power display, allowing easy monitoring of battery status and improving work efficiency.
- **High Quality Cells:** Constructed with high-quality battery cells for longer life and enhanced safety compared to ordinary batteries.
- **Advanced Protection:** Includes built-in protections against overvoltage, overcurrent, overheating, and overcharging to ensure safe operation and extend battery lifespan.



Figure 2: Key features and integrated protection mechanisms of the Ingco 20V 2Ah Li-Ion Battery, including the battery replacement button, mounting slots, power indicator, overvoltage protection, overcurrent protection, overheat protection, and charge protection.

SISTEMA EFICIENTE DE ENFRIAMIENTO



Figure 3: Illustration of the efficient cooling system integrated into the Ingeo battery, designed to dissipate heat during operation and charging.



20V MAX **SHARE**

P20S

SAME BATTERY 150+ TOOLS

La misma batería y cargador para más de 150 herramientas de **P20S**

Figure 4: The Ingco P20S platform, highlighting that this battery is compatible with over 150 different Ingco tools, utilizing the same battery and charger system.

4. SETUP AND INITIAL USE

4.1 Charging the Battery

Before first use, fully charge the battery. Use only an Ingco P20S compatible charger.

1. Connect the charger to a suitable power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Observe the charger's indicator lights for charging status. The LED battery charge indicator on the battery itself will also show the current charge level.
4. Once fully charged, remove the battery from the charger. Do not leave the battery on the charger for extended periods after it is fully charged.

4.2 Installing the Battery

To install the battery into an Ingco P20S tool:

1. Ensure the tool is switched off and disconnected from any power source if applicable.
2. Align the battery pack with the battery slot on the tool.
3. Slide the battery into the slot until it clicks securely into place. A click indicates proper installation.

4.3 Removing the Battery

To remove the battery from an Ingco P20S tool:

1. Ensure the tool is switched off.
2. Press the battery release button (refer to Figure 2 for location).
3. Slide the battery pack out of the tool.

5. OPERATING INSTRUCTIONS

Once the battery is fully charged and securely installed in a compatible Ingco P20S tool, the tool is ready for operation according to its specific user manual.

- **Monitoring Charge:** Regularly check the LED battery charge indicator on the battery to monitor the remaining power. This helps in planning your work and avoiding unexpected power loss.
- **Optimal Performance:** For best performance, allow the battery to cool down after heavy use before recharging.
- **Temperature Range:** Operate the battery within recommended temperature ranges (typically 0°C to 40°C or 32°F to 104°F). Extreme temperatures can affect performance and lifespan.

6. MAINTENANCE AND STORAGE

6.1 Cleaning

Keep the battery pack clean. Use a clean, dry cloth to wipe off any dust or debris from the battery casing and terminals. Do not use solvents or abrasive cleaners.

6.2 Storage

For long-term storage:

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Store the battery with approximately 50% charge to prolong its lifespan. Avoid storing it fully charged or completely depleted.
- If storing for extended periods, recharge the battery every 3-6 months to maintain its health.

7. TROUBLESHOOTING

If you encounter issues with your Ingco battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not charging	◦ Charger not plugged in. ◦ Battery not properly seated on charger. ◦ Charger or battery is faulty. ◦ Battery too hot or too cold.	◦ Ensure charger is securely plugged into a working outlet. ◦ Reseat the battery firmly on the charger. ◦ Test with another compatible battery/charger if available. ◦ Allow battery to reach room temperature before charging.

Problem	Possible Cause	Solution
Tool not operating with battery	◦ Battery not fully charged. ◦ Battery not properly installed in tool. ◦ Battery or tool is faulty.	◦ Charge the battery fully. ◦ Ensure battery is clicked securely into the tool. ◦ Test the battery in another compatible tool, or another battery in the same tool.
Battery drains quickly	◦ Battery is old or worn out. ◦ Operating tool under heavy load. ◦ Extreme operating temperatures.	◦ Consider replacing the battery if it's past its service life. ◦ This is normal for demanding applications. ◦ Ensure operation within recommended temperature ranges.

If the problem persists after trying these solutions, please contact Ingco customer support or an authorized service center.

8. SPECIFICATIONS

Attribute	Value
Model	FBLI20011
Battery Type	Lithium-Ion
Voltage	20 Volts
Capacity	2.0 Ah
Item Weight	209 g (0.21 Kilograms)
Product Dimensions	10 x 20 x 37 cm
Reusability	Rechargeable
Manufacturer	Ingco



Figure 5: Exploded view of the Ingco 20V 2Ah Li-Ion battery, showing internal components including the unique battery management system and individual 2.0Ah cells.

9. WARRANTY AND SUPPORT

Specific warranty information for the Ingco 20V 2Ah Li-Ion Battery (Model FBI20011) was not provided in the product details. For warranty claims, technical support, or service inquiries, please contact Ingco customer service directly or refer to the warranty card included with your purchase. You can typically find contact information for Ingco on their official website or through the retailer where you purchased the product.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question