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- › [ExpertPower](#) /
- › [ExpertPower Baofeng BL-5L 3800mAh Li-ion Battery Instruction Manual](#)

## ExpertPower BL-5L

# ExpertPower Baofeng BL-5L 3800mAh Li-ion Battery Instruction Manual

Model: BL-5L | Brand: ExpertPower

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your ExpertPower Baofeng BL-5L 3800mAh Li-ion Battery. This high-capacity battery is designed as a replacement and upgrade for compatible Baofeng two-way radios, offering extended operational time.

## 2. SAFETY INFORMATION

**Read all safety warnings before use to prevent injury or damage.**

- **Use Specified Charger Only:** Always use a standard Baofeng Li-ion desktop charger specifically designed for this battery type. Using incompatible chargers may cause damage, overheating, or fire.
- **Avoid Damage and Fire:** Do not damage the battery or place it in fire. Exposure to high temperatures (above 60°C / 140°F) can cause the battery to explode or leak.
- **Do Not Short Circuit:** Avoid short-circuiting the battery terminals. This can lead to excessive heat, fire, or explosion.
- **Do Not Disassemble:** Do not attempt to disassemble, modify, or repair the battery. This can result in electric shock, fire, or exposure to hazardous materials.
- **Keep Away from Water:** Do not expose the battery to water or moisture.
- **Dispose Properly:** Dispose of used batteries according to local regulations. Do not dispose of in household waste.



Image: Battery label showing safety warnings and specifications.

### 3. PRODUCT OVERVIEW

The ExpertPower Baofeng BL-5L is a 7.4V 3800mAh rechargeable Li-ion battery designed to provide extended power for your compatible Baofeng two-way radio. It features an OEM-compatible design for seamless integration and reliable performance.

### Key Features:

- **High Capacity:** 3800mAh for extended runtime.
- **Voltage:** 7.4V Li-ion.
- **Compatibility:** Designed to replace original Baofeng BL-5L batteries.
- **Durability:** Rugged and reliable build for long-term use.

### Compatible Radio Models:

- Baofeng UV-5R, UV-5RM, UV-5R1, UV-5R2, UV-5R3, UV-5R4, UV-5R5, UV-5R6, UV-5R7, UV-5RL
- BF-F8+, BF-F8HP, BF-F8V2+, BF-F9, BF-F9V2+

### Not Compatible With:

- Baofeng UV-5RA, UV-5RB, UV-5RC, UV-5RD, UV-5RE, UV-5RA+, UV-5RD+, UV-5R+, or DM-5R



Image: The ExpertPower Baofeng BL-5L 3800mAh Li-ion Battery.



Image: The BL-5L battery attached to a compatible Baofeng UV-5R two-way radio.

## 4. SETUP AND INSTALLATION

Follow these steps to properly install the BL-5L battery onto your compatible Baofeng two-way radio:

1. **Power Off Radio:** Ensure your two-way radio is powered off before attempting to install or remove the battery.
2. **Align Battery:** Align the battery with the battery compartment on the back of your radio. Ensure the metal contacts on the battery align with the contacts on the radio.
3. **Slide and Secure:** Gently slide the battery into place until it clicks securely. The battery should fit snugly without excessive force. Verify that the battery latch is engaged to prevent accidental detachment.
4. **Power On:** Once the battery is securely attached, you may power on your radio.

## 5. OPERATING INSTRUCTIONS

### Charging the Battery:

To charge your ExpertPower BL-5L battery:

1. **Use Compatible Charger:** Place the battery (either attached to the radio or separately) into a standard Baofeng Li-ion desktop charger.
2. **Connect Power:** Connect the charger to a suitable power source.
3. **Monitor Indicator:** The charger's indicator light will typically show red during charging and turn green when charging is complete.
4. **Initial Charge:** For optimal battery life, it is recommended to fully discharge and then fully recharge the battery at least three times before regular use.

### Battery Usage:

The 3800mAh capacity provides extended operational time compared to standard batteries. Monitor your radio's

battery indicator to determine remaining power. Recharge the battery when the power level is low to avoid interruption during use.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your battery:

- **Keep Contacts Clean:** Periodically clean the metal contacts on the battery and radio with a dry, clean cloth to ensure good electrical connection.
- **Avoid Extreme Temperatures:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures (both hot and cold). Do not expose to temperatures above 60°C (140°F).
- **Regular Use:** For best results, use and recharge the battery regularly. Avoid leaving it fully discharged or fully charged for extended periods without use.

## 7. TROUBLESHOOTING

If you encounter issues with your ExpertPower BL-5L battery, refer to the following common solutions:

- **Battery Not Charging:**
  - Ensure the charger is properly connected to a power source and the battery.
  - Verify that you are using a compatible Baofeng Li-ion desktop charger.
  - Check for any debris or corrosion on the battery and charger contacts and clean if necessary.
- **Battery Not Fitting Radio:**
  - Double-check the compatibility list in Section 3 to ensure your radio model is supported.
  - Ensure the battery is aligned correctly with the radio's compartment and the latch mechanism.
- **Short Operating Time:**
  - The battery may not be fully charged. Ensure it is charged until the charger indicator turns green.
  - Battery capacity can decrease over time with repeated charge cycles. Consider replacing the battery if it no longer holds a sufficient charge.
  - High power transmission or continuous use of features like FM radio can consume battery power more quickly.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	TW-BABFUV5RH
Battery Type	Li-ion (Lithium Ion)
Voltage	7.4V
Capacity	3800mAh
Product Dimensions	5.2 x 2.3 x 1.3 inches (13.2 x 5.8 x 3.3 cm)
Item Weight	4.6 ounces (130 grams)
Manufacturer	ExpertPower



Image: Dimensions of the ExpertPower Baofeng BL-5L battery.

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact ExpertPower directly. Visit the official ExpertPower website or refer to your purchase documentation for contact details.

ExpertPower is committed to providing quality energy storage solutions and customer satisfaction.

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