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BLLRC AA 6.0V 800mAh SM-2P

BLLRC 6.0V 800mAh AA Rechargeable Battery with SM-2P Plug

Instruction Manual

Safety Contents Specifications Setup Charging Operation Maintenance Troubleshooting Support

1. Safety Instructions

Please read and understand these safety instructions before using the battery. Failure to follow these instructions may result in fire, injury, or property damage.

- Do not disassemble, puncture, or modify the battery.
- Do not expose the battery to water, fire, or extreme temperatures.
- Use only the provided USB charging cable or a compatible charger with the correct voltage and current.
- Keep the battery away from children and pets.
- If the battery shows signs of damage, swelling, or leakage, discontinue use immediately and dispose of it properly.
- Always supervise the battery during charging.

2. Package Contents

Verify that all items are present in your package:

- 2 x BLLRC 6.0V 800mAh AA Rechargeable Battery with SM-2P Plug
- 2 x USB Charging Cable

3. Product Specifications

Battery Type	Lithium-Polymer (Li-Po)
Battery Voltage	6.0 Volts
Battery Capacity	800 mAh
Discharge Rate	20C
Discharge Connector	SM-2P Plug
Charging Interface	SM-2P Plug
Battery Weight (per piece)	95g (0.21 lbs)

Battery Dimensions (L x W x T)	71mm (2.8 in) x 50mm (1.97 in) x 15mm (0.6 in)
USB Charger Input	DC 5V (USB Interface)
USB Charger Output	DC 7.0V 250mA



Image 1: Battery dimensions and SM-2P plug details.

4. Setup

4.1 Pre-use Check

Before using the battery, ensure it is compatible with your RC toy or device. Verify the following:

- **Voltage:** The battery's 6.0V output must match your device's requirements.
- **Connector Type:** The SM-2P plug must be compatible with your device's battery port.
- **Physical Size:** The battery dimensions (71mm x 50mm x 15mm) must fit within your device's battery compartment.

Using an incompatible battery may damage your device or the battery itself.

4.2 Initial Charging

For optimal performance, fully charge the battery before its first use. Refer to the 'Charging Instructions' section for detailed steps.

5. Charging Instructions

Follow these steps to charge your BLLRC 6.0V 800mAh battery using the provided USB charging cable:

1. Connect the USB charging cable to a DC 5V USB power source (e.g., computer USB port, USB wall adapter, power bank).
2. Connect the SM-2P plug of the battery to the SM-2P charging interface on the USB charging cable. Ensure the connection is secure.
3. Observe the indicator light on the USB charging cable:
    - **Red LED ON:** The battery is currently charging.
    - **Red LED OFF:** The battery is fully charged.
4. The charger is designed to automatically stop charging once the battery is fully charged, preventing overcharge.
5. Once charging is complete (Red LED OFF), disconnect the battery from the charging cable and then disconnect the USB cable from the power source.



Image 2: Battery connected to the USB charging cable.

Important: Always use the provided charging cable. Do not use damaged cables or chargers. Do not leave charging batteries unattended for extended periods.

6. Operation

6.1 Connecting to Your Device

After ensuring the battery is fully charged and compatible with your RC toy:

1. Locate the battery compartment on your RC toy.
2. Carefully insert the BLLRC 6.0V 800mAh battery into the compartment, ensuring proper orientation.
3. Connect the SM-2P plug of the battery to the corresponding port in your RC toy. Ensure a firm connection.

4. Close the battery compartment cover.
5. Turn on your RC toy according to its own instruction manual.

6.2 General Usage

The battery is designed for use with various RC toys, including cars, trucks, tanks, and other compatible devices. Its integrated protection mechanism allows for safe charging and use.

When the device's performance starts to diminish, it indicates that the battery charge is low. Disconnect the battery and recharge it promptly.

7. Maintenance

7.1 Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store Li-Po batteries at a storage charge (around 3.8V per cell, which is approximately 50-60% of full charge for a 6V battery).
- Do not store batteries fully charged or fully discharged for extended periods, as this can reduce their lifespan.

7.2 Cleaning

If the battery or its connectors become dirty, gently wipe them with a clean, dry cloth. Do not use liquids or solvents.

7.3 Disposal

Do not dispose of batteries in household waste. Li-Po batteries contain materials that require special disposal. Please recycle them at an authorized battery recycling facility in accordance with local regulations.

8. Troubleshooting

Problem	Possible Cause	Solution
Battery not charging (Red LED on charger remains off when connected)	• Loose connection. • Faulty USB power source. • Damaged charging cable or battery.	• Ensure all connections are secure. • Try a different USB power source. • Inspect the charging cable and battery for visible damage. If damaged, discontinue use.
RC toy not powering on or operating weakly	• Battery not fully charged. • Battery not properly connected to the toy. • Battery is worn out or damaged. • Toy itself has an issue.	• Fully charge the battery. • Ensure the battery's SM-2P plug is securely connected to the toy. • If the battery is old or frequently used, its capacity may have degraded. Consider replacing it. • Test the toy with a known working battery if possible.

9. Customer Support

If you have any questions, concerns, or require further assistance regarding your BLLRC 6.0V 800mAh AA Rechargeable Battery, please do not hesitate to contact us. We are committed to providing excellent customer service and will be happy to assist you.

Please refer to your purchase platform or retailer for specific contact information.

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