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KBT KEEP BETTER TECH 6V 2000mAh NIMH AA 5S1P

KBT 6V 2000mAh NIMH Rechargeable RC Battery User Manual

Model: 6V 2000mAh NIMH AA 5S1P

1. Product Overview

The KBT 6V 2000mAh NIMH Rechargeable RC Battery is a high-capacity power source designed for various remote control applications. This battery pack features a 5S1P configuration of AA NiMH cells and is equipped with a Hitec connector for broad compatibility with RC receivers, vehicles, aircrafts, toys, and tools.



Image 1.1: The KBT 6V 2000mAh NIMH Rechargeable RC Battery, showing its blue casing and Hitec connector.

2. Safety Information

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

- Do not short-circuit the battery terminals.
- Do not expose the battery to extreme temperatures (high or low).
- Do not disassemble, puncture, or modify the battery pack.
- Use only chargers specifically designed for NiMH batteries.
- Keep the battery away from water and moisture.
- Supervise charging and never leave batteries unattended while charging.
- If the battery shows signs of damage, swelling, or leakage, discontinue use immediately and dispose of it properly.



Image 2.1: The battery pack, illustrating its built-in safety features such as overcharge protection, contributing to a long and safe operational life.

3. Setup and Charging

3.1 Initial Charging

Before first use, fully charge the battery pack using a compatible NiMH battery charger. Refer to your charger's instructions for proper charging procedures. Ensure the charger's voltage and current settings are appropriate for a 6V NiMH battery with 2000mAh capacity.

3.2 Connecting the Battery

The KBT 6V 2000mAh NiMH battery is equipped with a Hitec connector. To connect the battery to your RC device (receiver, vehicle, aircraft, toy, or tool):

1. Ensure your RC device is powered off.
2. Align the Hitec connector from the battery with the corresponding port on your device.

3. Gently push the connectors together until they are firmly seated. Do not force the connection.
4. Verify the connection is secure before powering on your device.

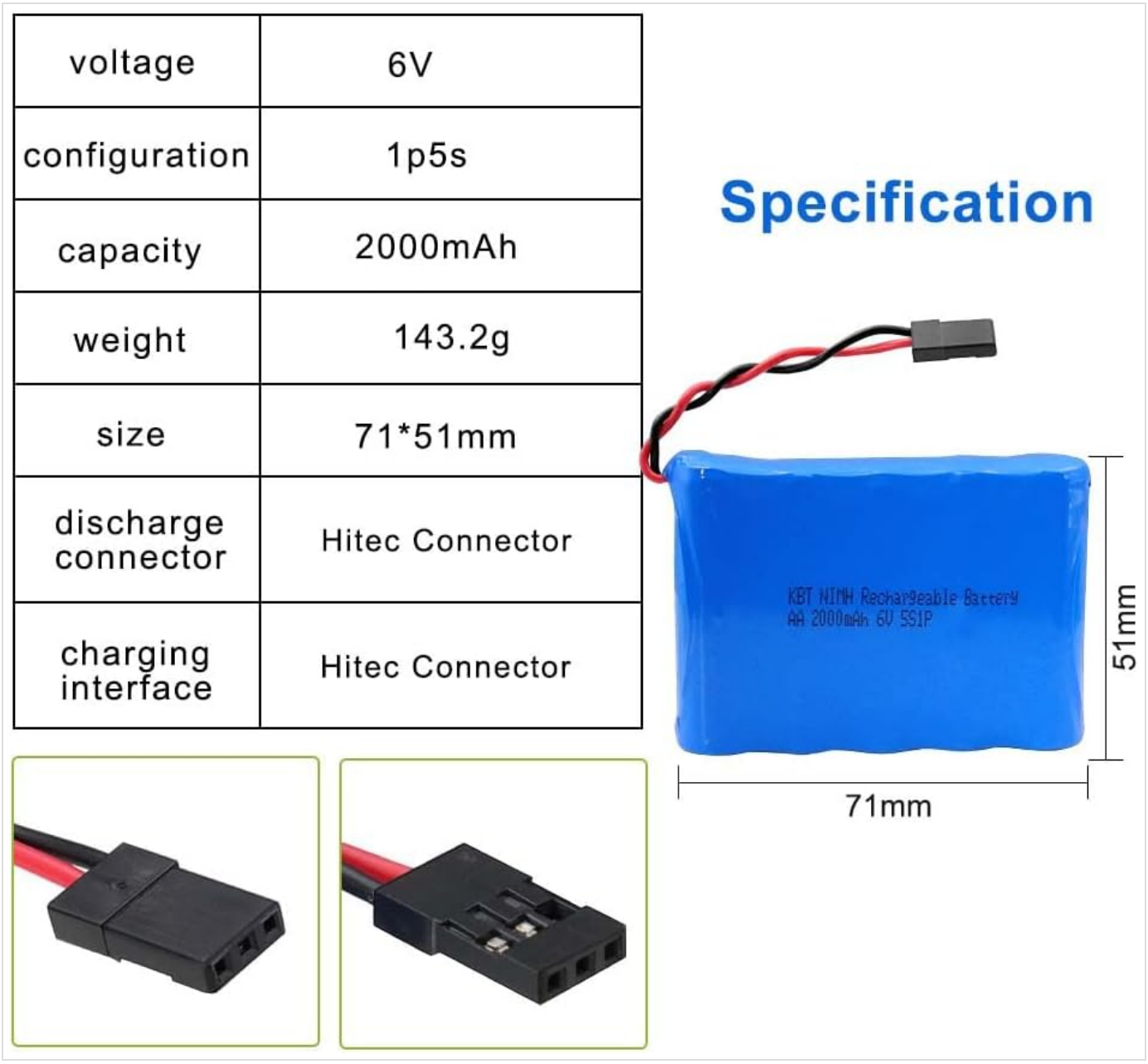


Image 3.1: A detailed view of the Hitec connector, which is used for both discharge and charging interfaces, alongside key battery specifications.

4. Operating Instructions

Once the battery is fully charged and securely connected to your RC device, you can begin operation. The 2000mAh capacity provides extended runtime for your RC activities.

- Always ensure the battery is fully charged for optimal performance.
- Monitor the battery level during use to avoid over-discharging, which can reduce battery life.
- If you notice a significant drop in performance, it's time to recharge the battery.



Image 4.1: The KBT battery is compatible with a wide range of RC vehicles, including cars, trucks, and aircraft, providing reliable power for various applications.

5. Maintenance and Storage

5.1 Charging Best Practices

- Use a smart charger designed for NiMH batteries to prevent overcharging.
- Avoid trickle charging for extended periods after the battery is fully charged.
- Allow the battery to cool down before recharging after heavy use.

5.2 Storage

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store NiMH batteries at approximately 50% charge.
- Keep the battery away from flammable materials.

5.3 Disposal

Do not dispose of batteries in household waste. NiMH batteries should be recycled at an authorized battery recycling facility. Contact your local waste management authority for information on proper disposal and recycling options.

6. Troubleshooting

If you encounter issues with your KBT 6V 2000mAh NiMH battery, consider the following:

- **Battery not charging:** Ensure the charger is correctly connected and functioning. Check the battery's Hitec connector for damage or debris. Verify the charger is compatible with NiMH batteries.
- **Short runtime:** The battery may not be fully charged, or it might be nearing the end of its cycle life. Ensure proper charging procedures are followed. Over-discharging can also lead to reduced capacity over time.
- **Battery not powering device:** Check all connections between the battery and the device. Ensure the device itself is functioning correctly. The battery might be completely discharged or damaged.

If problems persist, refer to the Warranty and Support section for assistance.

7. Specifications

Feature	Detail
Voltage	6V
Capacity	2000mAh
Battery Cell Composition	NiMH
Configuration	AA 5S1P
Connector Type	Hitec Connector
Dimensions (L x W)	71mm x 51mm (approx. 2.8 x 2.0 inches)
Weight	143.2g (approx. 5 ounces)
Recommended Uses	RC Receivers, RC Vehicles, RC Aircrafts, Toys, Tools (Indoor/Outdoor)
ASIN	B0F2DNJ49D
Manufacturer	KBT KEEP BETTER TECH

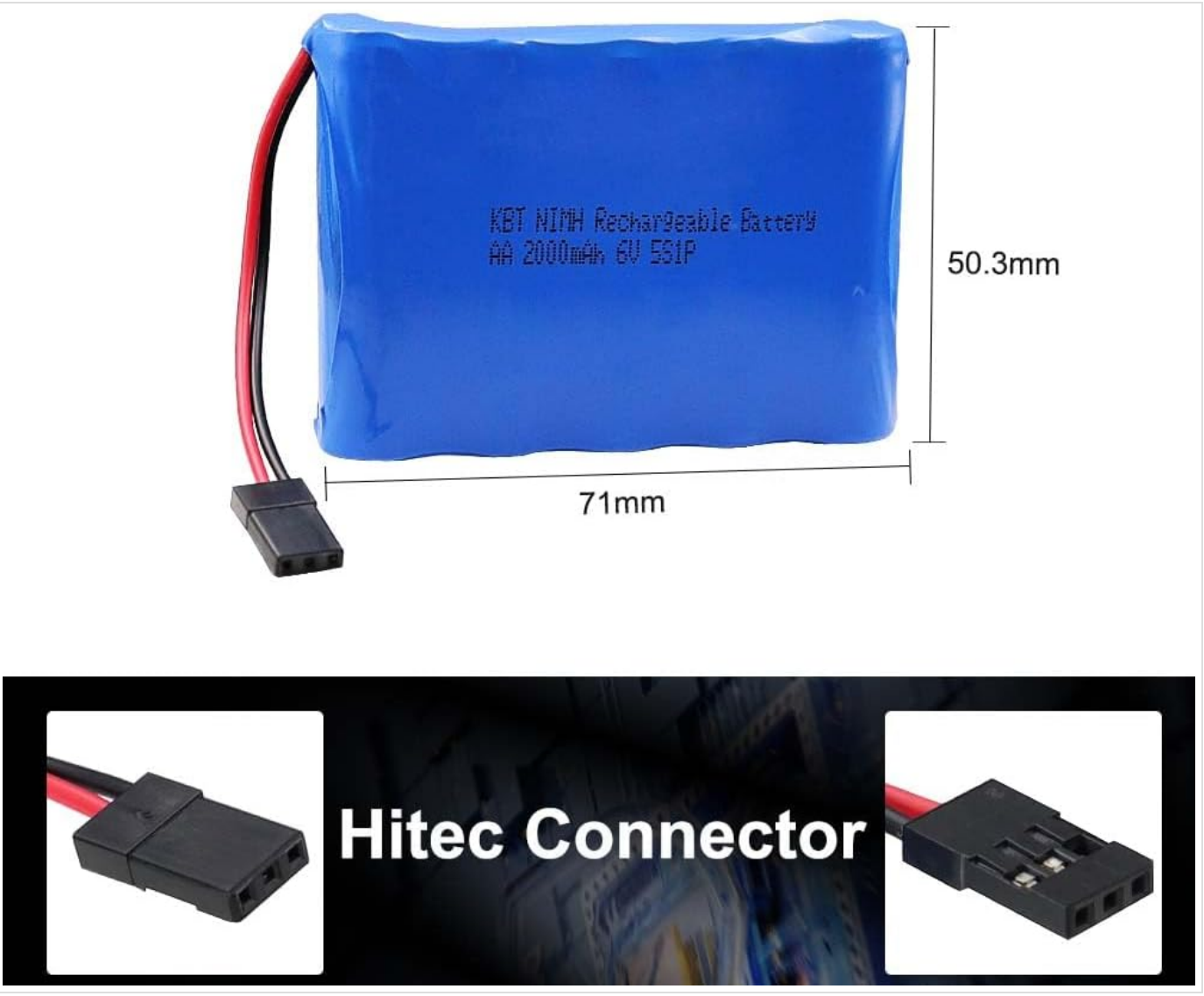


Image 7.1: The KBT battery pack displaying its physical dimensions, 71mm in length and 50.3mm in width, for compatibility assessment.

8. Warranty and Support

KBT KEEP BETTER TECH guarantees the quality of this battery for its lifetime. If you encounter any issues with the product that are caused by the product itself, please contact KBT customer support for assistance.
For replacement or refund inquiries, please reach out to the seller or manufacturer directly through the platform where the purchase was made or via the official KBT KEEP BETTER TECH website.
Contact Information: Refer to your purchase documentation or the KBT KEEP BETTER TECH official website for the most current support contact details.

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