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> HPI Racing 105520 6-Cell 7.2V 1100mAh NiMH Battery User Manual

HPI Racing HPIC9920

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For Mini Recon Truck (HPID2552)

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your HPI Racing 105520 6-Cell 7.2V 1100mAh NiMH Battery. This battery is specifically designed for the Mini Recon Truck (HPID2552) and features a side-to-side cell configuration.



Image: HPI Racing 105520 6-Cell 7.2V 1100mAh NiMH Battery, showing its compact design and connector.

Key Features:

- 6-Cell 7.2V NiMH Battery
- 1100mAh Capacity
- Side-to-side cell configuration
- Equipped with a white connector specific to the Mini Recon

2. SAFETY INFORMATION

Read and understand all safety warnings before using this battery. Failure to follow these instructions may result in fire, personal injury, or property damage.

- **Charging:** Always use a charger specifically designed for NiMH batteries, such as the HPI5525. Never use a charger designed for LiPo or other battery chemistries.
- **Supervision:** Never leave charging batteries unattended.
- **Temperature:** Do not charge or store batteries in extreme temperatures (below 0°C / 32°F or above 45°C / 113°F).
- **Damage:** Do not use or charge a battery that is damaged, swollen, or leaking. Dispose of damaged batteries properly.

- **Short Circuit:** Avoid short-circuiting the battery terminals.
- **Disposal:** Dispose of batteries according to local regulations. Do not dispose of in household waste.
- **Children:** Keep batteries out of reach of children. Recommended age for use is 15 years and up.

3. SETUP

3.1 Unpacking

Carefully remove the battery from its packaging. Inspect the battery for any visible damage. If damage is present, do not use the battery and contact your retailer.

3.2 Initial Charging

Before first use, the battery must be fully charged. You will need a compatible NiMH charger, such as the HPIP5525 (sold separately). Follow the instructions provided with your charger for proper charging procedures. Ensure the battery is cool before charging.

4. OPERATING

4.1 Connecting the Battery

The HPI Racing 105520 battery features a white connector specifically designed for the Mini Recon Truck. Carefully align the battery connector with the corresponding connector on your Mini Recon Truck and push firmly until it clicks into place. Ensure a secure connection to prevent power interruptions.

4.2 Usage Guidelines

- Always ensure the battery is fully charged before operating your vehicle for optimal performance.
- Avoid completely discharging the battery, as this can reduce its lifespan. Stop using the vehicle when you notice a significant drop in power.
- Allow the battery to cool down after use before recharging.
- Do not expose the battery to water or excessive moisture.

5. MAINTENANCE

5.1 Charging

- Use only a compatible NiMH charger (e.g., HPIP5525).
- Charge in a well-ventilated area, away from flammable materials.
- Monitor the battery during charging. Disconnect immediately if it becomes excessively hot or swells.
- Do not overcharge. Some chargers require manual disconnection after a certain time (e.g., 4 hours for 1100mAh).

5.2 Storage

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50% capacity.
- Do not store fully charged or fully discharged for extended periods.

5.3 Cleaning

- Wipe the battery exterior with a clean, dry cloth.
- Do not use solvents or harsh chemicals.
- Ensure connectors are clean and free of debris.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Battery not charging	Incorrect charger; faulty charger; damaged battery; poor connection	Ensure correct NiMH charger (HPIP5525); check charger functionality; inspect battery for damage; ensure secure connection.
Short run time	Battery not fully charged; aging battery; high current draw from vehicle	Ensure full charge; consider battery replacement if old; check vehicle for excessive resistance.
Battery gets hot during use/charge	Over-discharge; overcharge; internal short; high current draw	Avoid over-discharge; monitor charging; discontinue use if excessive heat or swelling occurs and dispose safely.

7. SPECIFICATIONS

Specification	Value
Model Number	HPIC9920
Battery Cell Composition	NiMH
Voltage	7.2 Volts
Battery Capacity	1100 Milliampere Hour (mAh)
Unit Count	1 Count
Product Dimensions	4.75 x 4 x 1.13 inches
Item Weight	4.6 ounces
Manufacturer Recommended Age	15 years and up

8. WARRANTY AND SUPPORT

Specific warranty information for the HPI Racing 105520 6-Cell 7.2V 1100mAh NiMH Battery is not provided in this manual. For warranty details or technical support, please refer to the official HPI Racing website or contact their customer service directly. Keep your proof of purchase for any warranty claims.