

Hyper Tough AQ90050G

Hyper Tough 20V Max Lithium-Ion Battery User Manual

Model: AQ90050G

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Hyper Tough 20V Max Lithium-Ion Battery (Model AQ90050G). This battery is designed to provide reliable power for compatible Hyper Tough 20V tools and equipment. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this battery pack. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- 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 the manufacturer.
- Do not use any charger other than that specifically provided for use with the equipment.
- Do not use any battery pack which 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. Consult local regulations for disposal instructions.

3. SETUP AND CHARGING

Before first use, the battery pack must be fully charged. Use only compatible Hyper Tough chargers for this battery model.

1. **Inspect the Battery:** Before charging, inspect the battery pack for any signs of damage, cracks, or leaks. Do not use a damaged battery.
2. **Connect to Charger:** Insert the battery pack firmly into the compatible Hyper Tough charger. Ensure it clicks into place.
3. **Plug in Charger:** Plug the charger into a standard electrical outlet.
4. **Monitor Charging:** The charger will typically have an indicator light to show charging status. Refer to your charger's manual for specific light patterns.
5. **Remove When Charged:** Once fully charged, disconnect the charger from the outlet and remove the battery pack. Do not leave the battery on the charger for extended periods after it is fully charged.



Figure 1: Front view of the Hyper Tough 20V Max Lithium-Ion Battery, showing the "HT CHARGE" and "20V MAX 1.5 Ah LITHIUM-ION" branding.

4. OPERATING INSTRUCTIONS

This battery pack is designed for use with Hyper Tough 20V tools. Always ensure the battery is fully charged before beginning work for optimal performance.

1. **Inserting the Battery:** Align the battery pack with the battery port on your Hyper Tough 20V tool. Slide the battery into the tool until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.
2. **Removing the Battery:** Locate the battery release button (usually on the tool or battery itself). Press and hold the release button, then slide the battery pack out of the tool.
3. **Battery Level Check:** Some tools or battery packs may have an indicator to show the remaining charge. Consult your tool's manual for details on checking battery status.



Figure 2: Angled view of the Hyper Tough 20V Max Lithium-Ion Battery, showing the top connection points and side branding.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your battery pack.

- **Cleaning:** Keep the battery pack clean and free of dust and debris. Use a dry cloth to wipe down the exterior. Do not use liquids or harsh chemicals.
- **Storage:** Store the battery pack in a cool, dry place, away from direct sunlight, heat sources, and moisture. Ideal storage temperature is between 50°F (10°C) and 80°F (27°C).
- **Long-Term Storage:** For long-term storage (over 30 days), store the battery pack with a partial charge (around 50%). Fully discharge and recharge the battery every 3-6 months to maintain its health.
- **Avoid Extreme Temperatures:** Do not store or charge the battery in extreme hot or cold conditions, as this can significantly reduce battery life and performance.

6. TROUBLESHOOTING

If you encounter issues with your battery pack, refer to the following common solutions:

Problem	Possible Cause	Solution
Battery not charging	• Charger not plugged in • Battery not properly seated in charger • Damaged battery or charger • Extreme temperature	• Ensure charger is securely plugged into a working outlet. • Re-seat the battery firmly into the charger. • Inspect battery and charger for damage. Do not use if damaged. • Move to a room temperature environment for charging.

Problem	Possible Cause	Solution
Battery not powering tool	- Battery not fully charged - Battery not properly seated in tool - Tool malfunction	- Charge the battery fully. - Ensure battery is securely clicked into the tool. - Test the tool with another known good battery if available.
Reduced runtime	- Battery nearing end of life - Operating in extreme temperatures - Heavy load on tool	- Consider replacing the battery if it's old. - Operate within recommended temperature ranges. - Ensure the tool is not continuously overloaded.

If the problem persists after trying these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	AQ90050G (Also known as HT21-401-003-10)
Battery Type	Lithium-Ion
Voltage	20V Max
Capacity	1.5 Ah (27 Wh)
Weight	0.9 lbs (0.41 kg)
Dimensions (L x W x H)	5.31 x 3.15 x 2.2 inches
Compatibility	Compatible with all Hyper Tough 20V Tools and Hyper Tough chargers

8. WARRANTY AND SUPPORT

This Hyper Tough 20V Max Lithium-Ion Battery (Model AQ90050G) comes with a **2-Year Limited Warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use. For warranty claims, technical support, or general inquiries, please contact Hyper Tough customer service. Keep your proof of purchase for warranty validation.

Please refer to the official Hyper Tough website or product packaging for the most current contact information and detailed warranty terms.

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

you@example.com

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