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› Hanaix 4500mAh Ni-MH 12V HPB12 Battery Instruction Manual

Hanaix HPB12

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Model: HPB12

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Hanaix 4500mAh Ni-MH 12V HPB12 replacement battery. This battery is designed to provide reliable power for compatible Black & Decker 12V cordless tools. Please read these instructions carefully before use.

2. SAFETY INFORMATION

Your Hanaix battery is manufactured with safety features to ensure reliable operation. Adhere to the following safety guidelines:

- Do not expose the battery to water or rain.
- Do not store the battery in direct sunlight or in environments with high temperatures (above 50°C / 122°F).
- Do not incinerate the battery or expose it to fire.
- Do not short-circuit the battery terminals.
- Do not attempt to disassemble, open, or service the battery pack.
- Keep the battery away from children.
- Dispose of used batteries responsibly according to local regulations.
- Use only with compatible chargers designed for Ni-MH batteries.

Safety Assurance

6x protection makes you feel more at ease during use



Over-Charge Protection



Over-Discharge Protection



Over-Current Protection



Over-Voltage Protection



Over-Heat Protection



Over-Circuit Protection



This image illustrates the 6-fold protection features of the Hanaix 12V Ni-MH battery, including over-charge, over-discharge, over-current, over-voltage, over-heat, and over-circuit protection, ensuring safe operation.

3. PRODUCT FEATURES

The Hanaix HPB12 battery offers enhanced performance for your cordless tools:

- **Battery Type:** Ni-MH (Nickel-Metal Hydride)
- **Voltage:** 12 Volts
- **Capacity:** 4500mAh (4.5Ah) for extended runtime.
- **No Memory Effect:** Can be charged or discharged as needed without loss of capacity.
- **Low Self-Discharge:** Retains charge longer when not in use.
- **Eco-Friendly:** Made with lead-free SMT process and high-quality SC cells.
- **Certifications:** CE, FCC, PSE, RoHS certified for quality and safety.

High Capacity Battery

Makes Your Tool Runs Longer Time



This image visually compares the 4500mAh capacity of the Hanaix battery to a standard 3000mAh battery, highlighting its higher capacity and longer runtime. A graph shows the capacity retention over 10 months for both types.

4. COMPATIBILITY

This Hanaix HPB12 battery is a professional replacement for the following Black & Decker 12V battery models:

- A12, A12-XJ, A12EX, A1712
- FS120B, FSB12, HPB12
- Firestorm FS120B, FS120BX

It is compatible with a wide range of Black & Decker 12V cordless tools, including but not limited to:

- **Drills and Drivers:** BD12PSK, BDG1200K, BDGL12K, BDID1202, CD1200SK, CD12SFK, CDC1200K, CDC120AK, CDC120ASB, CP122K, CP122KB, CP12K, CP12KB, EPC12, EPC126, EPC126BK, EPC12CA, EPC12CABK, HP122K, HP122KD, HP126F2B, HP126F2K, HP126F3B, HP126F3K, HP126FBH, HP126FSC, HP126FSH, HP126K, HP128F3B, HP12K, HP12KD, HPD1200, HPD1202, HPD1202KF, HPD12K-2, PS122K, PS122KB, PS12HAK, SS12, SX3000, SX3500, XD1200, XD1200K, XTC121
- **Impact Wrenches:** SX5000, XTC12IK, XTC12IKH
- **Multi-Tools:** KC2000FK
- **Nailers:** BDBN1202

- **Screwdrivers:** HP9019K

Replacement part number:

A12, A12-XJ, A12EX, A1712, FS120B, FSB12, HPB12
Firestorm FS120B, FS120BX



Compatible Models:

BD12PSK, BDG1200K, BDGL12K, BDID1202, CD1200SK, CD12SFK,
CDC1200K, CDC120AK, CDC120ASB, CP122K, CP122KB, CP12K
CP12KB, EPC12, EPC126, EPC126BK, EPC12CA, EPC12CABK, HP122K
HP122KD, HP126F2B, HP126F2K, HP126F3B
HP126F3K, HP126FBH, HP126FSC, HP126FSH, HP126K, HP128F3B, HP12K,
HP12KD, HPD1200, HPD1202, HPD1202KF, HPD12K-2,
PS122K, PS122KB, PS12HAK, SS12, SX3000, SX3500, XD1200, XD1200K, XTC121
Impact Wrenches: SX5000, XTC12IK, XTC12IKH
Multi-Tools: KC2000FK
Screwdrivers: HP9019K
Nailers: BDBN1202



This image displays the Hanaix 12V Ni-MH battery alongside a comprehensive list of compatible Black & Decker battery part numbers and various tool models, including drills, impact wrenches, multi-tools, nailers, and screwdrivers.

5. SETUP AND INSTALLATION

To install the battery into your Black & Decker 12V cordless tool:

1. Ensure the tool is turned off and disconnected from any power source.
2. Align the battery with the battery slot on your tool.
3. Slide the battery into the slot until it clicks securely into place. A firm click indicates proper installation.
4. To remove the battery, press the release button(s) on the battery pack and slide it out of the tool.



This image provides a close-up view of the Hanaix 12V Ni-MH battery, highlighting its metal connectors for efficient charging and the press-and-pull release button for simple operation during installation and removal.

6. OPERATING INSTRUCTIONS

6.1 Charging the Battery

For optimal performance and longevity, charge the battery fully before first use and after each use.

1. Use an original Black & Decker 12V charger or a compatible Ni-MH/Ni-Cd charger.
2. Insert the battery into the charger, ensuring proper alignment.
3. Connect the charger to a power outlet.
4. Allow the battery to charge until the charger's indicator light signals a full charge. Refer to your charger's manual for specific indicator meanings.
5. Once fully charged, disconnect the charger from the power outlet and remove the battery.

6.2 Using the Battery

Once installed in a compatible tool, the battery powers the tool for its intended function. The 4500mAh capacity provides extended runtime compared to standard batteries.

7. MAINTENANCE

Proper maintenance extends the life of your battery:

- **Cleaning:** Keep battery terminals clean and free of dirt or debris. Use a dry cloth to wipe the battery exterior.
- **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.
- **Regular Use:** For best results, use and recharge the battery regularly. Avoid leaving the battery fully discharged for extended periods.

8. TROUBLESHOOTING

If you encounter issues with your battery, consider the following:

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; dirty battery terminals; battery too hot/cold.	Check charger connection; try a different charger; clean terminals; allow battery to reach room temperature.
Tool not operating	Battery not fully charged; battery not properly installed; tool malfunction.	Charge battery fully; re-install battery securely; test with another battery if available; consult tool manual.
Reduced runtime	Battery not fully charged; battery nearing end of life; extreme operating conditions.	Ensure full charge; consider battery replacement if significantly degraded; operate within recommended temperature ranges.

9. SPECIFICATIONS

- **Battery Type:** Ni-MH
- **Voltage:** 12 Volts
- **Capacity:** 4500 mAh (4.5 Ah)
- **Amperage:** 3 Amps
- **Reusability:** Rechargeable
- **Item Dimensions:** 4.33 x 3.13 x 2.73 inches
- **Item Weight:** 200 Grams
- **Model Name:** BD A12 3000mAh (Note: Product is 4500mAh, Model Name may refer to a series)
- **UPC:** 652042606162

10. WARRANTY AND SUPPORT

Hanaix provides the following warranty and support for this product:

- **Refund Policy:** 1 Month full refund from the date of purchase.
- **Replacement Policy:** 12 months part refund or replacement for a new battery if there is any quality problem.
- **Customer Service:** 24/7 prompt customer service is available for any questions regarding your Hanaix 12V battery. Please refer to your purchase platform for contact details.

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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.

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