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Briggs & Stratton BSB2AH82

Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery User Manual

Model: BSB2AH82

1. Introduction

This manual provides essential information for the safe and effective use of your Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery. This battery is designed for use with Snapper XD 82V MAX cordless electric lawn and garden tools. Please read this manual thoroughly before operating the battery or any compatible tool.



Image 1: Front view of the Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery. The battery is black with red and blue accents, featuring the '82V MAX 2.0' and 'Briggs & Stratton' logos.

2. Safety Information

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

- **Battery Compatibility:** Use this battery only with specified Briggs & Stratton 82V MAX chargers and Snapper XD 82V MAX cordless electric tools. Using other batteries or chargers may create a risk of injury and fire.
- **Charging Environment:** Charge the battery only in a well-ventilated area. Do not charge in damp or wet conditions.
- **Temperature Control:** Do not expose the battery to fire or excessive heat (above 100°C / 212°F). Do not store or charge the battery in direct sunlight or in locations where the temperature may exceed 40°C (104°F).
- **Physical Damage:** Do not drop, puncture, or disassemble the battery. Do not use a battery that is damaged or has been modified. Damaged batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- **Short-Circuit Prevention:** Do not short-circuit the battery terminals. Keep the battery away from metal objects like keys, coins, paper clips, and other small metal objects that can make a connection from one terminal to another.
- **Liquid Contact:** Do not immerse the battery in water or other liquids. If liquid from the battery comes into contact with skin, wash immediately with soap and water. If liquid gets into eyes, flush with water for at least 15 minutes and seek medical attention.
- **Disposal:** Dispose of batteries properly according to local regulations. Do not dispose of batteries in household waste or by incineration.
- **Children:** Keep the battery out of reach of children.

3. Product Features

The Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery offers reliable power for your cordless tools.

- **Rapid Charging:** Achieves 100% charge capacity in approximately 30 minutes when used with the Briggs & Stratton BSRC82 Rapid Charger (sold separately).
- **Consistent Performance:** Utilizes advanced Lithium-ion battery technology for stable power output throughout its discharge cycle.
- **Broad Compatibility:** Fully compatible with the entire range of Snapper XD 82V MAX cordless electric lawn and garden tools.
- **Charge Indicator:** Features 4 intuitive LED lights to display the current battery charge level.



Image 2: Side view of the Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery, showing ventilation slots and the overall compact design.

4. Setup and Initial Charging

4.1 Initial Charging

Before first use, fully charge the battery. The Briggs & Stratton BSRC82 Rapid Charger (sold separately) is required for charging.

1. Connect the Briggs & Stratton BSRC82 Rapid Charger to a standard power outlet.
2. Align the battery with the charger's slot and slide it in until it clicks securely into place. Ensure the battery is inserted correctly; it may appear upside down relative to the charger's base.
3. The charger's indicator lights will illuminate to show charging status. The battery's 4 LED indicator lights will also show charging progress.
4. Charging is complete when all 4 LED lights on the battery are solid green. A full charge typically takes approximately 30 minutes.
5. Once fully charged, remove the battery from the charger by pressing the release button (if present) and sliding it out.



Image 3: The Briggs & Stratton 82V MAX 2.0Ah Lithium-ion Battery inserted into its compatible charger. Note: Charger is sold separately.

4.2 Battery Installation into Tools

To install the battery into a compatible Snapper XD 82V MAX tool:

1. Ensure the tool is turned off and any safety mechanisms are engaged.
2. Locate the battery compartment on your tool.
3. Align the battery with the compartment and slide it in until it clicks securely into place. Ensure a firm connection.
4. To remove the battery, press the battery release button(s) on the tool and slide the battery out.

5. Operating Instructions

5.1 Checking Battery Charge Level

The battery is equipped with 4 LED indicator lights to show its charge status:

- Press the button located near the LED lights on the battery.
- The number of illuminated lights indicates the approximate remaining charge:
  - **4 Lights:** 75-100% charged
  - **3 Lights:** 50-75% charged
  - **2 Lights:** 25-50% charged
  - **1 Light:** 0-25% charged (recharge soon)

5.2 Using the Battery with Tools

Once the battery is fully charged and securely installed in a compatible Snapper XD 82V MAX tool, the tool is ready for operation according to its specific instruction manual. Always refer to the tool's manual for detailed operating procedures.

6. Maintenance

6.1 Cleaning

Keep the battery terminals and body clean. Use a clean, dry cloth to wipe off any dust or debris. Do not use solvents or abrasive cleaners, as these can damage the battery casing or internal components.

6.2 Storage

Proper storage extends battery life and ensures safety:

- Store the battery in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures. Ideal storage temperature is between 10°C and 25°C (50°F and 77°F).
- For long-term storage (over 30 days), it is recommended to store the battery with a partial charge (e.g., 50% or 2-3 LED lights illuminated). Fully discharged or fully charged batteries can degrade faster during prolonged storage.
- Remove the battery from the tool and charger before storing.
- Keep the battery away from metal objects that could short-circuit the terminals.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty outlet; battery too hot/cold; faulty charger or battery.	Ensure charger is securely plugged into a working outlet. Allow battery to reach room temperature. Try a different charger (if available). If problem persists, contact support.
Battery not powering tool	Battery not fully charged; battery not properly inserted; tool malfunction; battery fault.	Check battery charge level and recharge if necessary. Re-insert battery firmly into the tool. Test the tool with another charged battery (if available). If problem persists, contact support.

Problem	Possible Cause	Solution
Battery indicator lights not working	Battery discharged; internal fault.	Attempt to charge the battery. If lights still do not function after charging, contact support.

8. Specifications

Feature	Specification
Model Number	BSB2AH82
Battery Type	Lithium-ion
Voltage (Maximum)	82V MAX
Voltage (Nominal)	72V
Capacity	2.0Ah
Approximate Charge Time (with BSRC82 Rapid Charger)	30 minutes
Product Dimensions (L x W x H)	8.07 x 6.1 x 4.02 inches
Item Weight	3 pounds
Manufacturer	Briggs and Stratton Power Products

9. Warranty and Support

Briggs & Stratton products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty documentation included with your original product purchase or visit the official Briggs & Stratton website.

For technical support, service, or to inquire about replacement parts, please contact Briggs & Stratton customer service directly. Contact information can typically be found on the manufacturer's website or in the original product packaging.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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How do I get my Briggs & Stratton 82V MAX 2.0Ah battery (Model BAT421460992) to work with my Snapper XD lawnmower?

Based on your description, your Briggs & Stratton 82V MAX 2.0Ah battery is likely experiencing a cell imbalance or a deep discharge fault, often caused by long-term storage without use. While the battery's internal...

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