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SideKing BP-16L

SideKing Battery Powered Backpack Sprayer

MODEL: BP-16L

User Instruction Manual

1. Introduction and Product Overview

The SideKing 4-Gallon Battery Powered Backpack Sprayer is designed for efficient and labor-saving application of liquids in your garden, lawn, or for home cleaning tasks. It features a robust motor delivering 20-70 PSI, a long-lasting rechargeable battery, and versatile spray patterns to meet various needs.



Figure 1: SideKing 4 Gallon Battery Powered Backpack Sprayer and included accessories.

This image displays the main unit of the SideKing backpack sprayer along with its various components, including the battery, charger, and different spray nozzles, highlighting its comprehensive design for diverse applications.

2. Safety Information

Always read and understand all instructions before operating the sprayer. Failure to follow safety guidelines may result in serious injury or property damage.

- Wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and a mask when handling chemicals.
- Do not spray flammable liquids or strong acids/alkalis.
- Keep children and pets away from the spraying area.
- Ensure the battery is fully charged before use and stored in a dry, cool place.
- Never immerse the battery or charger in water.
- Always release pressure and drain the tank before performing maintenance or storage.

3. Package Contents

Verify all items are present upon unboxing:

- SideKing 4-Gallon Backpack Sprayer Unit
- 12V 2.5AH Lithium Battery (included)
- Battery Charger
- Telescopic Wand with Trigger-Lock
- 4 Mist Nozzles (Cone, Fan, Two Conical, Shower Head)
- Cushioned Shoulder Straps

4. Setup Instructions

Follow these steps to prepare your sprayer for first use:

1. **Charge the Battery:** Connect the included charger to the 12V 2.5AH lithium battery. The battery indicator lights will show charging progress. Ensure the battery is fully charged before initial use (up to 4 hours of continuous spraying per charge).



Figure 2: Detachable 12V 2.5AH lithium battery and charger.

This image illustrates the detachable battery and its dedicated charger, emphasizing the ease of recharging for extended use.

2. **Install the Battery:** Slide the charged battery into its designated compartment on the back of the sprayer unit.
3. **Attach Shoulder Straps:** Securely attach the cushioned shoulder straps to the sprayer unit for comfortable carrying.
4. **Connect Hose and Wand:** Connect the spray hose to the sprayer unit and then attach the telescopic wand to the hose. Ensure all connections are tight to prevent leaks.
5. **Fill the Tank:** Unscrew the large cap at the top of the tank. The enlarged water inlet with a filter helps prevent debris from entering. Fill the tank with your desired liquid (water, fertilizer, herbicide, etc.) up to the 4-gallon capacity. Securely fasten the cap.

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Video 1: SideKing Battery Powered Backpack Sprayer 4 Gallon Overview.

This official seller video provides a visual guide to the sprayer's features and demonstrates its general operation, including setup and use.

5. Operating Instructions

Once assembled and filled, you are ready to operate your sprayer:

1. **Power On:** Locate the power switch (often near the battery compartment or on the side of the unit) and turn it to the 'ON' position.
2. **Adjust Wand Length:** Extend the telescopic wand to your desired length for optimal reach.
3. **Select Nozzle:** Choose one of the 4 included nozzles based on your spraying needs (e.g., fine mist for delicate plants, powerful jet for cleaning). Twist the nozzle to adjust the spray pattern.



Figure 3: Various spray nozzles included with the sprayer.

This image showcases the four different types of nozzles provided, allowing users to select the appropriate spray pattern for various applications.

4. **Engage Trigger-Lock:** The trigger-lock feature allows for continuous spraying without holding down the trigger, reducing hand fatigue during prolonged use. Push the red lever forward to lock the trigger in the 'ON' position, and pull it back to release.



Figure 4: Close-up of the Trigger-Lock feature.

This image highlights the convenient trigger-lock mechanism, which allows for continuous spraying without constant manual pressure, enhancing user comfort.

5. **Begin Spraying:** Aim the wand at the target area and press the trigger to begin spraying.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your sprayer:

- **Cleaning the Tank:** After each use, especially when spraying chemicals, rinse the tank thoroughly with clean water. Utilize the drain outlet at the bottom of the tank for easy and complete emptying.



Figure 5: Key features including the drain outlet and water inlet filter.

This image details various components such as the drain outlet for easy cleaning, the power switch, detachable shoulder straps, the enlarged water inlet with filter, cushioned shoulder straps, and a storage rack for the wand.

- **Clean the Filter:** Periodically remove and clean the filter located in the water inlet to prevent clogging and maintain consistent spray.
- **Battery Care:** Recharge the battery after each use or when the battery indicator shows low power. Do not store the battery in a completely discharged state.
- **Store Properly:** Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures.

7. Troubleshooting

If you encounter issues, try these common troubleshooting steps:

Problem	Possible Cause	Solution
Sprayer not turning on	Battery discharged or not properly installed.	Ensure battery is fully charged and correctly seated in its compartment.

Problem	Possible Cause	Solution
No spray or weak pressure	Clogged nozzle or filter; low battery; loose connections.	Clean nozzles and filter. Recharge battery. Check all hose and wand connections for tightness.
Leaks from connections	Loose fittings or damaged O-rings.	Tighten all connections. Inspect O-rings for wear and replace if necessary.
Nozzle constantly detaching	Nozzle not securely tightened or worn threads.	Ensure nozzle is fully tightened. If issue persists, inspect threads for damage.

8. Specifications

- **Brand:** SideKing
- **Model Name:** BP-16L
- **Tank Volume:** 4 Gallons (approx. 15.1 Liters)
- **Power Source:** Battery Powered (12V 2.5AH Lithium Ion)
- **Maximum Pressure:** 70 PSI
- **Product Dimensions:** 11.02 x 9.06 x 21.26 inches
- **Item Weight:** 8.43 pounds
- **Material:** Plastic
- **Included Components:** Battery Charger, Telescopic Wand, 4 Mist Nozzles



Figure 6: Product dimensions and telescopic wand length.

This image provides a visual representation of the sprayer's dimensions and the adjustable length of the telescopic wand, aiding in understanding its physical characteristics.

9. Warranty and Support

The SideKing Battery Powered Backpack Sprayer comes with a**1-year warranty** from the date of purchase. For warranty claims, technical support, or any inquiries regarding your product, please contact SideKing customer service through the retailer where the product was purchased or refer to the contact information provided in your product packaging.

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