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› Outsunny 6' x 6' Polycarbonate Greenhouse Instruction Manual

Outsunny 845-058

Outsunny 6' x 6' Polycarbonate Greenhouse Instruction Manual

Brand: Outsunny | Model: 845-058

1. INTRODUCTION

This manual provides essential information for the safe and effective assembly, operation, and maintenance of your Outsunny 6' x 6' Polycarbonate Greenhouse. Designed for outdoor use, this greenhouse offers a protected environment for cultivating plants, seedlings, and tropical flora, shielding them from adverse weather conditions and pests. Please read all instructions carefully before beginning assembly or use.



Figure 1.1: The Outsunny 6' x 6' Polycarbonate Greenhouse in a garden setting, demonstrating its intended outdoor use.

2. IMPORTANT SAFETY INFORMATION

WARNING: This greenhouse is heavy and may have sharp edges. Always use caution when assembling, disassembling, or handling the greenhouse. Wear appropriate protective gear, including gloves and safety glasses. Keep children and pets away from the assembly area. This greenhouse is designed for outdoor use and may be exposed to harsh weather conditions and UV rays. Always follow the manufacturer's instructions for proper assembly, use, and maintenance to ensure the safety of users and the longevity of the product.

It is recommended to place the greenhouse against a wall or in a sheltered area to minimize exposure to strong winds. Ensure the structure is securely anchored to the ground.

3. FEATURES

- **Heavy Duty Construction:** Designed for year-round outdoor use, providing protection from cold, wind, rain, and wild animals.

- **Polycarbonate Panels:** Transparent polycarbonate panels offer superior insulation, allow nourishing sunlight, and block scorching UV rays.
- **Rooftop Vent:** A hinged rooftop vent allows excess heat and humidity to escape, facilitating optimal growing conditions.
- **Sliding Door:** Provides easy access for moving plants, tools, and equipment, and can be used for additional ventilation.
- **Durable Frame:** Powder-coated aluminum frame for water resistance and easier assembly, reinforced with a galvanized steel base for overall strength.
- **Rain Gutters:** Integrated rain gutters aid in collecting natural rainwater for irrigation.
- **Enhanced Stability:** Features four ground bolts to reinforce the base and diagonal support bars for increased wind resistance.

DESIGN



Flexible sliding door for easy access



Rooftop vent ensures air flow



Four corners with slant support bars



Figure 3.1: Key design elements including the sliding door, rooftop vent, and structural support bars.



Figure 3.2: Diagonal bracing within the frame provides enhanced wind resistance, capable of withstanding force 6 winds.



Figure 3.3: Details of the transparent polycarbonate panels and the durable aluminum alloy frame, emphasizing light transmission, rust

protection, and UV protection.

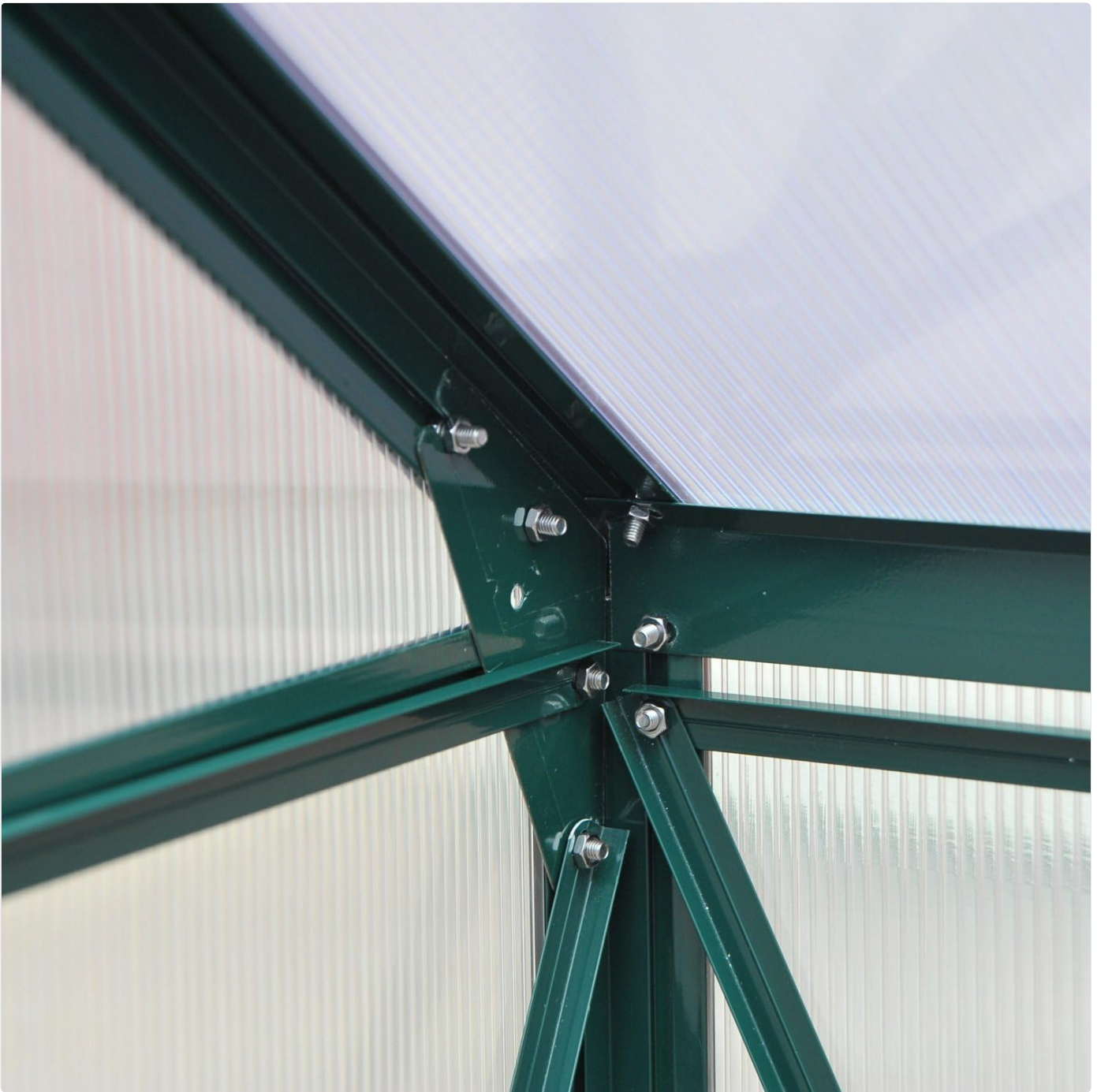


Figure 3.4: Integrated rain gutters effectively collect and drain rainwater, useful for water collection.

4. SPECIFICATIONS



Figure 4.1: Detailed dimensions of the greenhouse, including overall size and specific measurements for the door and roof vent.

Attribute	Value
Brand	Outsunny
Model Number	845-058
Product Dimensions	74.75"L x 75.5"W x 79.25"H (189.87 cm L x 191.77 cm W x 201.29 cm H)
Item Weight	63.9 pounds (28.98 kg)
Frame Material	Aluminum
Cover Material	Polycarbonate (PC)
Nominal Wall Thickness	0.16 Inches
Number of Doors	1
Number Of Vents	1

Attribute	Value
Color	Dark Green
Indoor/Outdoor Usage	Outdoor
Special Feature	Heavy Duty

5. SETUP AND ASSEMBLY

Assembly of the Outsunny Polycarbonate Greenhouse requires careful attention to detail and adherence to the included assembly manual. It is highly recommended to assemble the greenhouse with at least two people due to its size and weight. Ensure you have all components listed in the parts list before beginning.

- 1. Site Preparation:** Choose a level, stable location for your greenhouse. Clear the area of any debris, rocks, or vegetation. Consider placing it against a wall or in a location protected from strong winds.
- 2. Unpacking:** Carefully unpack all components. Lay them out and identify each part according to the assembly manual's parts list. Be mindful of sharp edges on aluminum components.
- 3. Frame Assembly:** Follow the step-by-step instructions in the dedicated assembly manual to construct the aluminum frame. Ensure all bolts and fasteners are securely tightened, but do not overtighten until the entire frame is aligned.
- 4. Panel Installation:** Insert the polycarbonate panels into the designated frame channels. Ensure they are correctly oriented and secured as per the instructions to provide proper insulation and UV protection.
- 5. Door and Vent Installation:** Install the sliding door and rooftop vent according to the manual. Test their operation to ensure smooth movement.
- 6. Anchoring:** Securely anchor the greenhouse to the ground using the provided ground bolts or other suitable anchoring methods to prevent wind damage. The galvanized steel base provides a strong foundation.



Figure 5.1: The fully assembled Outsunny greenhouse, ready for use.



Figure 5.2: Illustration of the greenhouse's high stability, achieved through its foundation and ground stakes.



Figure 5.3: Detail of the robust aluminum frame connections, crucial for structural integrity during assembly.

6. OPERATING INSTRUCTIONS

- **Ventilation:** Utilize the hinged rooftop vent to control internal temperature and humidity. Open the vent during warmer periods to release excess heat and improve air circulation. Close it during cooler periods or at night to retain warmth.
- **Access:** The sliding door provides convenient entry and exit. Slide the door open to enter or to allow for greater airflow. Ensure the door is closed and secured when not in use, especially during windy conditions, to maintain the internal environment and protect plants.
- **Water Collection:** The integrated rain gutters are designed to collect rainwater. Position a suitable container beneath the gutter spout to collect natural, soft water for your plants.



Figure 6.1: The sliding door provides easy access for tending to plants and moving equipment.



Figure 6.2: The push-open window (rooftop vent) allows for adequate ventilation and temperature control.

7. MAINTENANCE

Regular maintenance will extend the lifespan of your Outsunny greenhouse and ensure optimal performance.

- **Cleaning:** Periodically clean the polycarbonate panels with mild soap and water using a soft cloth or sponge. Avoid abrasive cleaners or brushes that could scratch the panels. Rinse thoroughly with clean water.
- **Frame Inspection:** Regularly inspect the aluminum frame for any signs of corrosion, loose bolts, or damage. Tighten any loose fasteners and address any damage promptly to maintain structural integrity.
- **Gutter Maintenance:** Keep the rain gutters clear of leaves, dirt, and other debris to ensure proper water drainage and collection.
- **Door and Vent Tracks:** Keep the tracks for the sliding door and rooftop vent clean and free of obstructions to ensure smooth operation. Lubricate if necessary with a silicone-based spray.
- **Winter Preparation:** In areas with heavy snowfall, it is advisable to clear snow from the roof to prevent excessive weight buildup. Consider adding additional internal supports if heavy snow loads are anticipated.

8. TROUBLESHOOTING

- **Problem: Poor Ventilation / High Humidity.**

Solution: Ensure the rooftop vent is fully open during warm periods. If necessary, partially open the sliding door for increased airflow. Check for any obstructions blocking the vent or door.

- **Problem: Water Accumulation Inside.**

Solution: Verify that all polycarbonate panels are properly seated and sealed within the frame. Check the rain gutters for blockages and ensure they are draining effectively away from the greenhouse base. Inspect the base for proper leveling and drainage around the perimeter.

- **Problem: Door or Vent Sticking.**

Solution: Clean the tracks of the sliding door and rooftop vent to remove any dirt or debris. Apply a silicone-based lubricant to the tracks to improve smooth operation. Check for any bent or misaligned components.

- **Problem: Greenhouse Instability.**

Solution: Ensure the greenhouse is securely anchored to the ground using all provided ground bolts. If located in a very windy area, consider additional anchoring methods or relocating to a more sheltered spot. Verify all frame connections are tight.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Outsunny Polycarbonate Greenhouse, please refer to the documentation included with your purchase or contact the manufacturer, Aosom LLC, directly. For product support, assembly assistance, or to inquire about replacement parts, please reach out to the seller, Aosom Direct, or visit the official Outsunny website for customer service contact details.

You can visit the Outsunny Store on Amazon for more information:[Outsunny Store](#)