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> [Mulinsonfly 6x12 FT Walk-in Polycarbonate Greenhouse Kit Instruction Manual](#)

Mulinsonfly MLS-001

Mulinsonfly 6x12 FT Walk-in Polycarbonate Greenhouse Kit Instruction Manual

Model: MLS-001 | Brand: Mulinsonfly

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Mulinsonfly 6x12 FT Walk-in Polycarbonate Greenhouse Kit. Please read this manual thoroughly before beginning assembly or operation to ensure safe and efficient use of your greenhouse. This greenhouse is designed to provide a protected environment for growing plants, vegetables, and flowers, extending your gardening season.

2. SAFETY INFORMATION

Always prioritize safety during assembly and use. Failure to follow these instructions may result in injury or damage to the product.

- **Read All Instructions:** Ensure you understand all assembly steps and safety warnings before starting.
- **Two-Person Assembly:** Assembly is significantly easier and safer with at least two people.
- **Wear Protective Gear:** Gloves and eye protection are recommended during assembly to prevent cuts or scrapes.
- **Choose a Level Site:** Select a flat, level area for installation to ensure stability.
- **Secure the Structure:** Properly anchor the greenhouse to the ground using the provided fittings or appropriate methods for your chosen surface (soil, concrete, wood).
- **Check for Damage:** Inspect all components for damage before assembly. Do not assemble if parts are damaged.
- **Ventilation:** Ensure proper ventilation, especially during hot weather, using the adjustable roof vents.
- **Snow Load:** In areas with heavy snowfall, regularly clear snow from the roof to prevent structural damage.
- **Wind Resistance:** In high-wind areas, consider additional reinforcement beyond standard anchoring.
- **Children and Pets:** Keep children and pets away from the assembly area. Do not allow them to play unsupervised inside the greenhouse.

3. PRODUCT FEATURES

The Mulinsonfly 6x12 FT Greenhouse is designed with several features to enhance your gardening experience:

- **Durable Aluminum Frame:** Constructed with an aluminum alloy frame and base for long-lasting durability and resistance to wind.
- **Polycarbonate Panels:** Features 4mm twin-wall polycarbonate sheets, offering high impact resistance, excellent heat retention, high light transmission, and UV protection for plant safety.
- **Functional Drainage System:** Integrated rain gutters on both sides efficiently manage water by redirecting collected rainwater for irrigation purposes.
- **Enhanced Stability:** Upgraded reinforced hardware and multiple reinforcement points provide added stability and resistance to strong winds.
- **Adjustable Roof Vents:** Two adjustable opening skylights allow for proper ventilation and climate control within the greenhouse.
- **Lockable Door:** A convenient door with a latch provides easy access and security.
- **Spacious Layout:** A 6x12 ft layout offers ample space for various plants.



Image 1: Exterior view of the Mulinsonfly 6x12 FT Greenhouse.

Selected Material

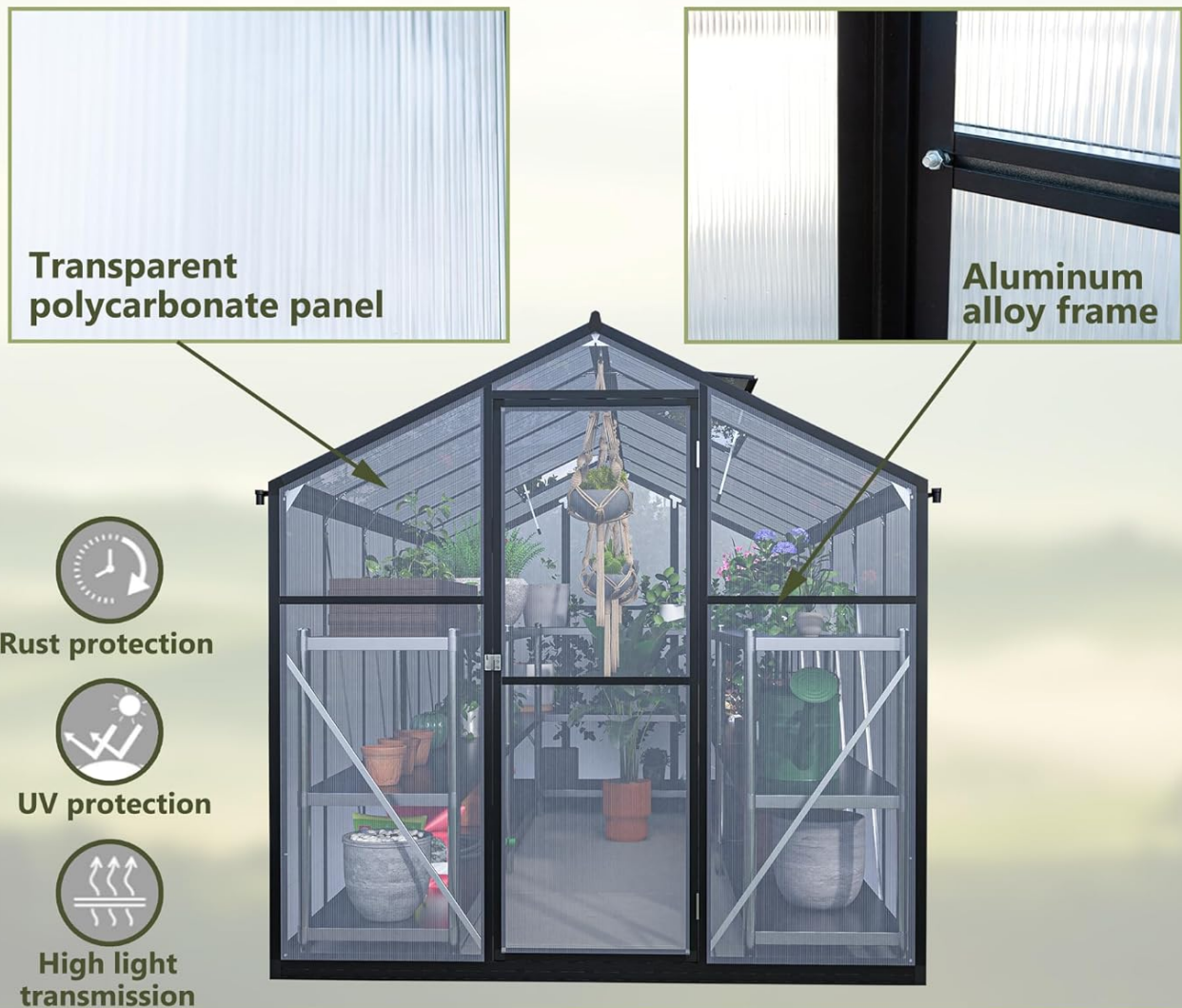


Image 2: The greenhouse in a garden setting, showcasing its capacity for plants.

4. COMPONENTS LIST

Before assembly, ensure all components are present and undamaged. Refer to the packing list included in your shipment for a complete itemized list. Key components include:

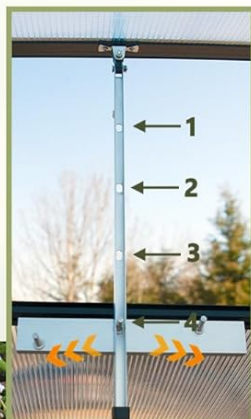
- Aluminum Frame Profiles (various lengths and shapes for walls, roof, base)
- Polycarbonate Panels (for walls and roof)
- Door Assembly (frame, panels, latch)
- Roof Vent Assemblies (frames, panels, adjustable mechanisms)
- Base Frame Components
- Reinforcement Brackets and Rods
- Fasteners (bolts, nuts, screws, clips)
- Ground Anchoring Hardware (for various surfaces)

- Integrated Rain Gutters

Product Details

» Adjustable roof vent with **4 Angles**

Double window design with adjustable angles



» Integrated rain gutters

The walk in greenhouse with rain gutters on both sides can effectively drain rain and snow. They are also a good way to attach a hose to collect the rain for watering the plants inside.



Image 3: Details on selected materials, including transparent polycarbonate panels and aluminum alloy frame.

5. SETUP AND ASSEMBLY

Assembly requires careful attention to detail. It is highly recommended to have at least two people for this process. The product ships in two boxes, which may arrive separately.

1. Site Preparation:

- Choose a flat, level, and well-drained area for your greenhouse.
- Clear the area of any debris, rocks, or vegetation.
- Ensure adequate space around the greenhouse for access and maintenance.

2. Unpacking and Inspection:

- Carefully unpack both boxes.
- Verify all parts against the provided packing list. Contact customer support immediately if any parts are missing or damaged.
- Organize components by type to simplify the assembly process.

3. **Base Assembly:**

- Assemble the base frame according to the diagrams in your instruction manual.
- Ensure the base is square and level before proceeding.

4. **Frame Construction:**

- Begin assembling the vertical and horizontal frame profiles. Follow the numerical or alphabetical sequence provided in your manual.
- Do not fully tighten all fasteners until the entire frame is assembled and squared.

5. **Panel Installation:**

- Carefully slide the polycarbonate panels into the frame channels. Ensure the UV-protected side (if indicated) faces outwards.
- Secure panels with the provided clips or sealing strips.

6. **Door and Vent Installation:**

- Assemble and install the door and roof vent mechanisms as per the instructions.
- Test the operation of the door and vents to ensure smooth movement.

7. **Anchoring the Greenhouse:**

- Secure the greenhouse to the ground using the appropriate method for your surface:
 - **Soil:** Use ground stakes or bury corner stakes and fix with concrete for maximum stability.
 - **Concrete/Wood:** Use connectors and screws to fix the base to the surface.
- Utilize the 4 ground bolts to reinforce the base.

Widely Application

- Starting your garden plants from seedling by this greenhouse now!



Grow vegetable



Grow plants



Grow flowers



Grow fruit

Image 4: Illustration of three mounting options: fixing to a wooden stake, fixing to concrete or wood floors, and burying corner stakes with concrete.

8. Final Tightening:

- Once the entire structure is assembled and anchored, go back and fully tighten all fasteners.

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Video 1: A visual overview of a large walk-in polycarbonate greenhouse, demonstrating its structure and potential use.

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Video 2: A display of the greenhouse in various settings, highlighting its aesthetic and functional aspects.

6. OPERATING INSTRUCTIONS

- **Ventilation:** Use the adjustable roof vents to control temperature and humidity. Open them on warm days to prevent overheating and improve air circulation. Close them during cold weather or rain.
- **Door Operation:** The lockable door provides secure access. Ensure it is properly closed and latched when not in use, especially during windy conditions.

- **Water Management:** The integrated rain gutters collect rainwater. Consider connecting a hose or collection barrel to utilize this water for your plants.
- **Plant Placement:** Arrange plants to optimize light exposure and air circulation. Consider shelving for efficient use of space.

Product Details

The support frame can close the window



Two built-in vents help with temperature and air circulation control



Lockable shed door

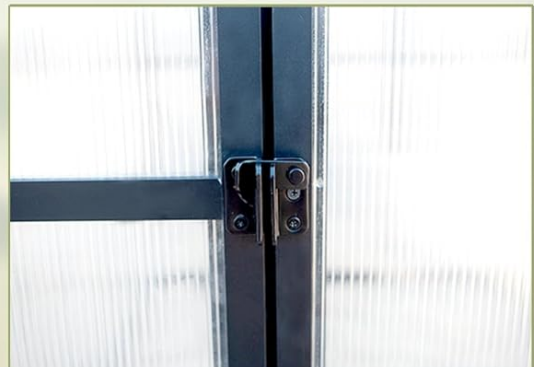


Image 5: Close-up of the adjustable roof vent with four angles and integrated rain gutters for water collection.

Product Dimension

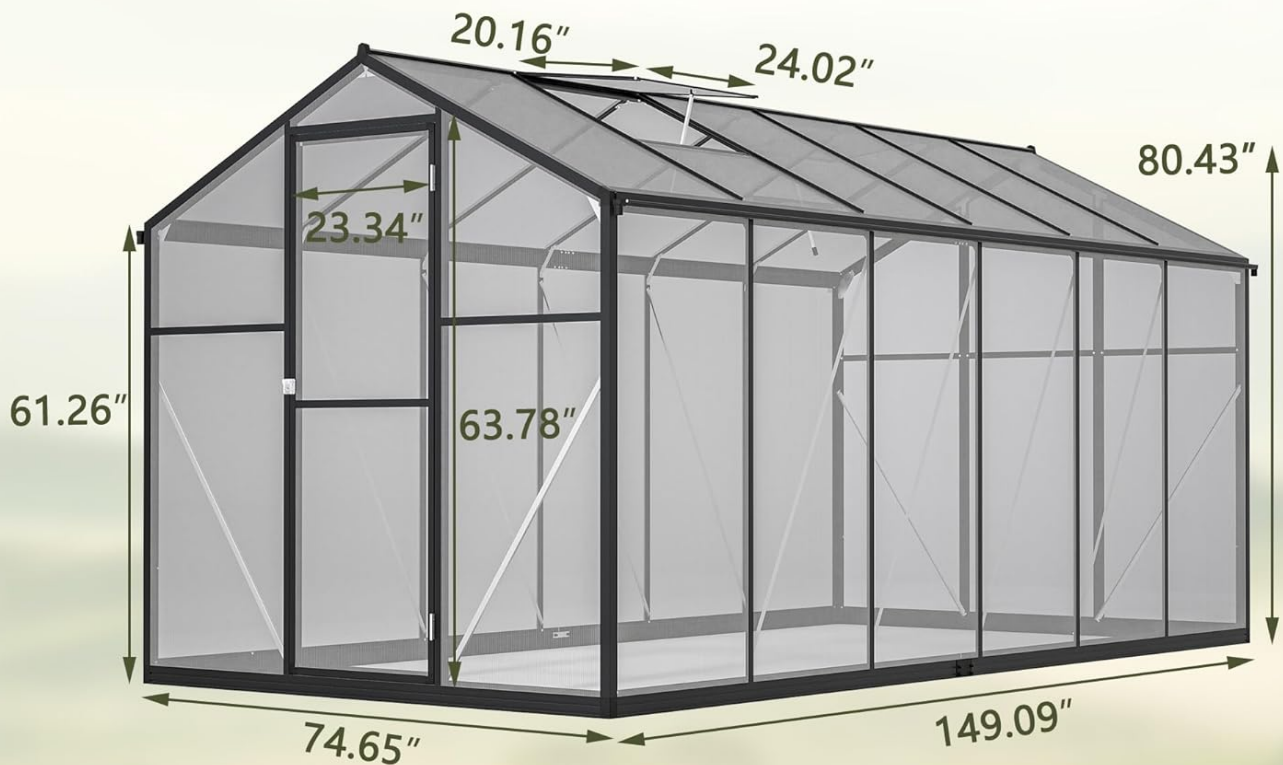


Image 6: Details of the support frame for closing the window and the lockable shed door.

7. MAINTENANCE

- **Cleaning:** Regularly clean the polycarbonate panels with mild soap and water to maintain light transmission. Avoid abrasive cleaners or tools that could scratch the panels.
- **Frame Inspection:** Periodically check the aluminum frame for any signs of corrosion or damage. Tighten any loose fasteners.
- **Panel Security:** Ensure all polycarbonate panels remain securely in their channels. Re-secure or replace any loose or damaged panels promptly.
- **Drainage System:** Keep the rain gutters clear of leaves and debris to ensure efficient water flow.
- **Winter Care:** In regions with heavy snow, gently remove snow accumulation from the roof to prevent excessive weight and potential structural damage. Consider additional internal bracing if heavy snow loads are common.

8. TROUBLESHOOTING

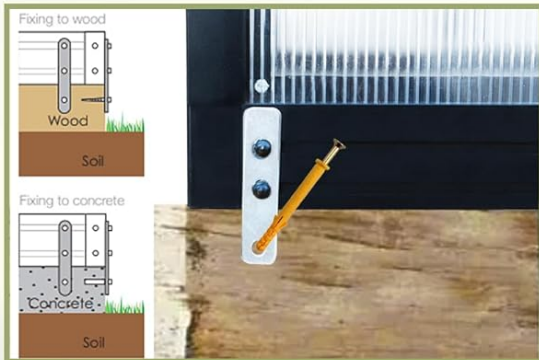
Problem	Possible Cause	Solution
Panels blow out easily	Insufficient panel securing; high winds.	Ensure all panels are fully seated and secured with clips. Consider applying silicone sealant or weather-resistant tape (e.g., Gorilla Tape) along panel edges for added security in high-wind areas. Reinforce the frame if necessary.
Difficulty with assembly	Complex instructions; single-person assembly.	Review the instruction manual carefully, paying close attention to diagrams. Enlist the help of a second person for easier and faster assembly. Organize all parts before starting.
Greenhouse not stable	Improper anchoring; uneven ground.	Ensure the base is level. Verify that the greenhouse is securely anchored to the ground using the recommended methods for your surface. Use all 4 ground bolts for reinforcement.
Poor drainage from gutters	Gutters clogged with debris; improper seal.	Clear gutters of leaves and debris regularly. Ensure a proper seal between the roof and gutters; apply silicone if necessary.
Roof vents not operating smoothly	Mechanism obstruction; loose fasteners.	Check for any obstructions in the vent mechanism. Ensure all fasteners are tight and the mechanism is properly aligned. Lubricate moving parts if needed.

9. SPECIFICATIONS

- **Model Number:** MLS-001
- **Product Dimensions:** 149.09"L x 74.65"W x 80.43"H (6x12 FT)
- **Item Weight:** 121 Pounds
- **Frame Material:** Aluminum
- **Panel Material:** 4mm Twin-Wall Polycarbonate Sheets
- **Color:** Black
- **Manufacturer:** Mulinsonfly

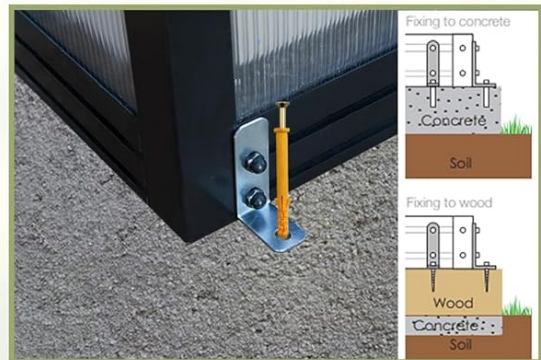
Stable Design

Three ways to mount



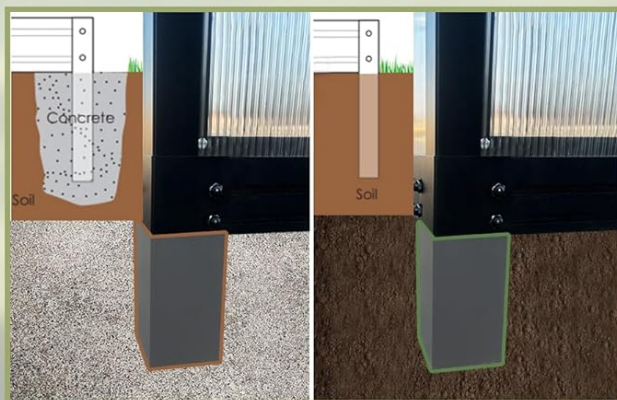
1

This connector is suitable for fixing the greenhouse to a wooden stake



2

The connector is suitable for fixing greenhouses to concrete or wood floors



3

Bury the corner stakes of the base into the soil and fix it with concrete

» With 4 ground bolts to reinforce the base

Image 7: Detailed product dimension diagram for the Mulinsonfly 6x12 FT Greenhouse.

10. WARRANTY AND SUPPORT

Specific warranty information for the Mulinsonfly 6x12 FT Walk-in Polycarbonate Greenhouse Kit is not provided in this document. Please refer to the product packaging, the manufacturer's official website, or contact Mulinsonfly customer support directly for details regarding warranty coverage, returns, and technical assistance.

For further assistance, please visit the [Mulinsonfly Store on Amazon](#).