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› HOWE 6x12 FT Hybrid Polycarbonate Greenhouse User Manual

HOWE

HOWE 6x12 FT Hybrid Polycarbonate Greenhouse User Manual

Model: YPG101

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your HOWE 6x12 FT Hybrid Polycarbonate Greenhouse. This greenhouse is designed to create an optimal environment for raising seedlings, growing heat-loving crops, and extending your gardening season. Please read this manual thoroughly before beginning assembly or operation to ensure safe and efficient use of your greenhouse.



Image: The HOWE 6x12 FT Hybrid Polycarbonate Greenhouse, showcasing its spacious interior and clear panels, situated on a wooden deck.

SAFETY INFORMATION

- Always wear appropriate safety gear, including gloves and eye protection, during assembly.
- Ensure the assembly area is clear of obstructions and hazards.
- Do not attempt to assemble the greenhouse alone. A minimum of three competent individuals is recommended for safe and efficient installation.
- Securely anchor the greenhouse to a stable foundation to prevent wind damage. The galvanized steel base includes pre-drilled holes for this purpose.
- Keep children and pets away from the assembly area.
- Do not climb on the greenhouse structure.
- In areas with heavy snowfall, regularly clear snow from the roof to prevent excessive load, although the greenhouse

has a snow load capacity of 15.4 psf.

COMPONENTS LIST

Before beginning assembly, verify that all components are present and undamaged. Refer to the packing list included with your greenhouse for a complete inventory. Key components include:

- Aluminum Frame Sections (various profiles for walls, roof, and base)
- Twin-wall Translucent Polycarbonate Roof Panels
- Crystal-clear Shatterproof Polycarbonate Wall Panels
- Galvanized Steel Base
- Hinged Door Assembly with Lockable Latch
- Vent Window Assemblies (x2)
- Gutter System Components
- Fasteners (screws, bolts, nuts, washers) and Gaskets
- Panel Retainers/Fixing Devices

Note: Your greenhouse may arrive in multiple packages. Ensure all boxes are received before starting assembly.

SETUP AND ASSEMBLY

Assembly of the HOWE Greenhouse requires careful attention to detail and adherence to the provided step-by-step instructions. It is highly recommended to have at least three competent individuals for the assembly process, which can take approximately six hours.

1. Site Preparation

1. Choose a level, well-drained site that receives adequate sunlight.
2. Prepare a solid foundation that is 3-5 inches larger than the greenhouse base frame (144"L x 72"W). This can be concrete, gravel, or a treated timber frame.
3. Ensure the foundation is perfectly level to prevent structural stress and panel misalignment.

2. Base Assembly

1. Assemble the galvanized steel base frame according to the diagrams in your instruction manual.
2. Secure the base to your prepared foundation using appropriate anchors through the pre-drilled holes. This step is crucial for the overall stability and wind resistance (rated for 56 mph winds).

3. Frame Construction

1. Begin assembling the aluminum frame sections, starting with the vertical supports and horizontal crossbeams.
2. Pay close attention to the orientation of each piece as indicated in the diagrams.
3. Do not fully tighten all fasteners until the entire frame is assembled and squared, allowing for minor adjustments.

SOLID & STURDY STRUCTURE



Shatterproof PC
wall panels



Prevent panels
from sliding out



13in high Galvanized
Steel base



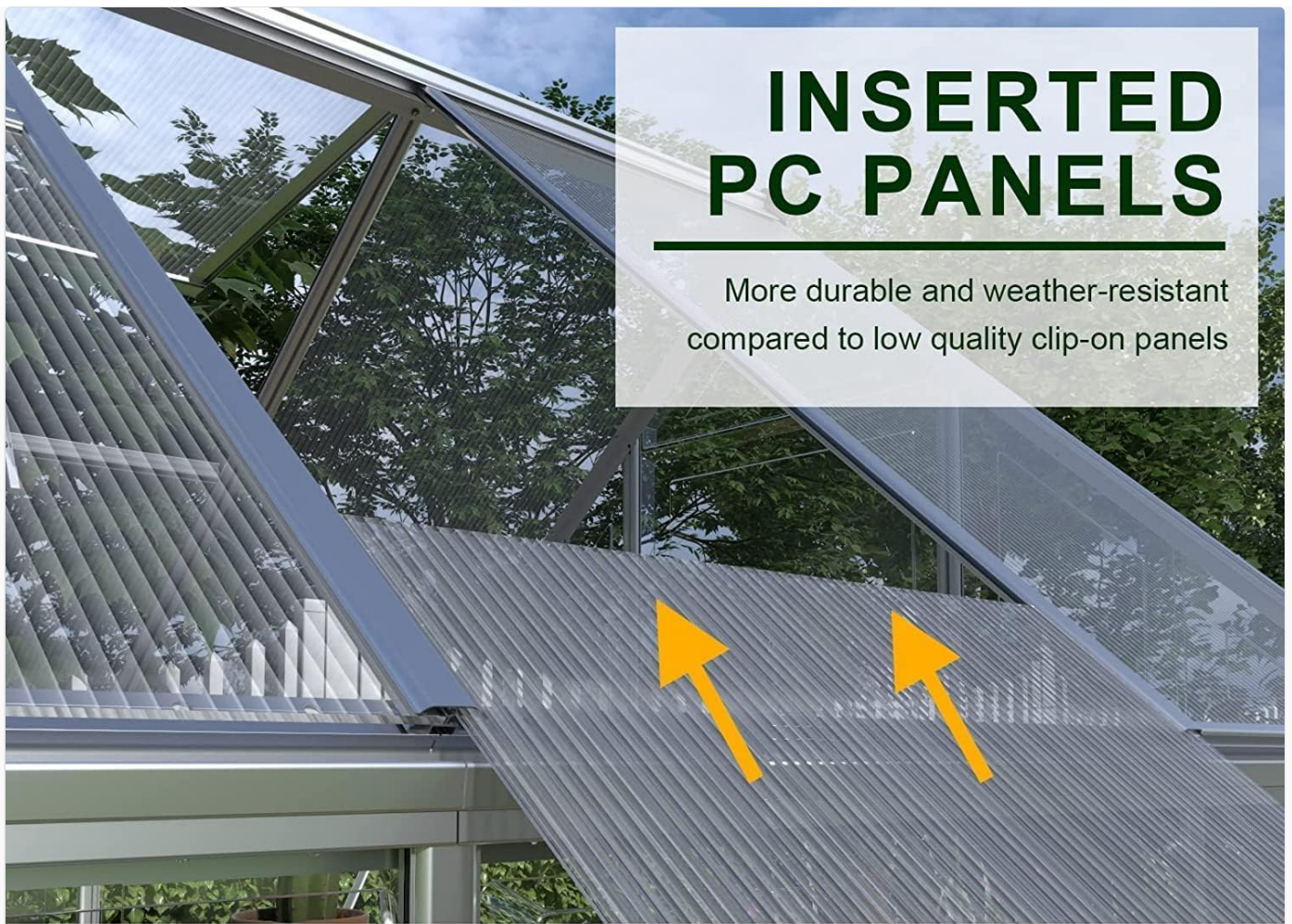
Image: Close-up views illustrating the solid construction of the greenhouse, including shatterproof PC wall panels, mechanisms to prevent panels from sliding out, and the 13-inch high galvanized steel base for stability.

4. Panel Installation

1. Carefully slide the polycarbonate panels into the designated channels of the aluminum frame. The twin-wall panels are for the roof, and crystal-clear panels are for the walls.
2. Ensure the panels are fully seated and secured with the provided fixing devices to prevent them from sliding out, especially during strong winds or heavy precipitation.
3. The inserted PC panels are designed to be more durable and weather-resistant than clip-on alternatives.

INSERTED PC PANELS

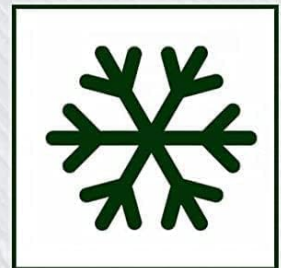
More durable and weather-resistant
compared to low quality clip-on panels



56mph Windproof



90% UV Block



Roof Snow Load: 15.4psf

Image: A detailed view of the inserted polycarbonate panels, highlighting their secure fit within the aluminum frame, emphasizing windproof capabilities (56mph), 90% UV block, and snow load capacity (15.4 psf).

5. Door and Vent Installation

1. Install the hinged door assembly. Ensure it swings freely and the lockable latch functions correctly.
2. Mount the two roof vent windows. These are crucial for ventilation and temperature control.

6. Gutter System

1. Attach the built-in gutter system components to the sides of the greenhouse roof. This system is designed for effective water drainage and collection.
2. You can attach a standard garden hose to the gutter outlets to collect rainwater for your plants.

OPERATING INSTRUCTIONS

Ventilation

- The greenhouse is equipped with two roof vents to provide ample fresh air and regulate interior temperature.
- Open the vents during warm periods to prevent overheating and ensure proper air circulation.
- The vents may have adjustable height settings to control the amount of airflow.

Door Operation

- The hinged door provides easy access to the greenhouse interior.
- Utilize the integrated door hook to keep the door open for extended ventilation or access.
- The door features a lockable latch for security.

More Ventilation

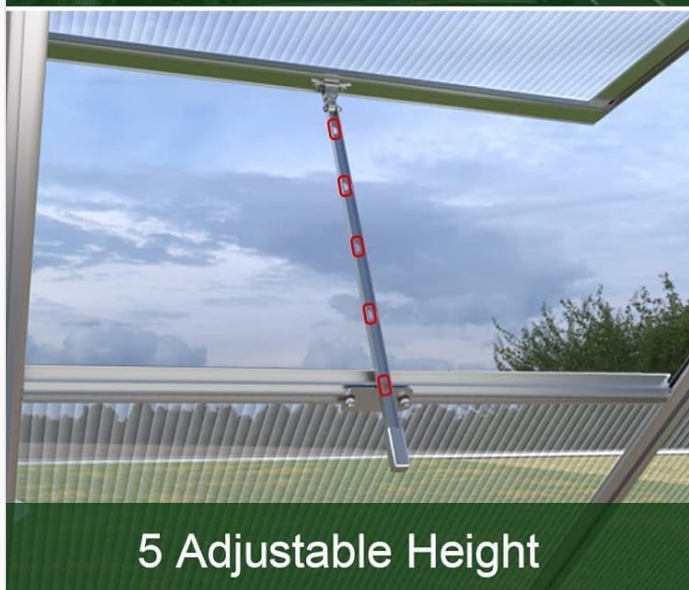


Image: A composite image showing the two roof vents, their adjustable height mechanism, and the hinged door with its hook for holding it open, all contributing to improved ventilation.

Water Management

- The built-in gutter system collects rainwater from the roof.
- Connect a hose to the gutter outlets to direct collected water into a rain barrel or other storage container for sustainable plant watering.



Built-in Gutter System

Save water and money by capturing rainwater to use for your plant and garden

Image: A close-up view of the built-in gutter system, demonstrating how it collects rainwater from the greenhouse roof, allowing for water conservation.

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 inspect the aluminum frame for any signs of corrosion or damage. Tighten any loose fasteners.
- **Panel Security:** Check that all polycarbonate panels remain securely seated in their channels. Re-secure any loose panels immediately to prevent dislodgement during high winds.

- **Gutter System:** Keep the gutters clear of debris (leaves, dirt) to ensure proper water flow and prevent blockages.
- **Snow Removal:** In winter, gently remove heavy snow accumulation from the roof to prevent excessive stress on the structure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Panels dislodge or fall out.	Panels not fully inserted or fixing devices not secured; improper foundation leveling; strong winds.	Ensure panels are fully seated in channels and all fixing devices are properly installed and tightened. Verify the base is level and securely anchored. Consider additional anchoring in very windy areas.
Difficulty during assembly.	Insufficient personnel; unclear understanding of diagrams; misaligned parts.	Ensure at least three people are assisting. Review diagrams carefully before each step. Do not fully tighten all fasteners until the entire frame is assembled and squared. Contact customer support if instructions are unclear.
Poor ventilation/Overheating.	Vents closed; insufficient airflow.	Open both roof vents and the door to increase airflow. Consider adding additional passive ventilation if needed in very hot climates.
Water pooling on roof/gutters.	Gutters blocked by debris.	Clear any leaves or debris from the gutter system. Ensure the gutter outlets are not obstructed.

SPECIFICATIONS

- **Product Dimensions:** 144"L x 72"W x 84"H (12 ft x 6 ft x 7 ft)
- **Item Weight:** 111 Pounds
- **Frame Material:** Aluminum
- **Cover Material:** Polycarbonate (PC) - Twin-wall roof, Crystal-clear walls
- **Number of Doors:** 1 (Hinged, Lockable)
- **Number of Vents:** 2 (Roof Vents)
- **Snow Load Capacity:** 15.4 psf
- **Wind Rating:** 56 mph
- **Color:** Silver
- **Model Number:** YPG101



Image: A diagram illustrating the key dimensions of the HOWE 6x12 FT Hybrid Polycarbonate Greenhouse, including length, width, height, and base height.

WARRANTY AND SUPPORT

HOWE stands behind the quality of its products. For specific warranty details regarding your 6x12 FT Hybrid Polycarbonate Greenhouse, please refer to the warranty card included in your packaging or visit the official HOWE website.

If you encounter any issues during assembly, operation, or maintenance, or if you require replacement parts, please contact HOWE Customer Support. Have your model number (YPG101) and purchase information ready when contacting support.

Contact Information:

Website: [Visit the HOWE Store on Amazon](#)

Email: Refer to your product packaging or warranty card.

Phone: Refer to your product packaging or warranty card.

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