

Outsunny 845-076WT0531

# Outsunny 12m² Tunnel Greenhouse Instruction Manual

Model: 845-076WT0531

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## 1. PRODUCT OVERVIEW

This manual provides detailed instructions for the assembly, operation, and maintenance of your Outsunny 12m² Tunnel Greenhouse, model 845-076WT0531. Designed for cultivating various plants, this greenhouse offers protection against weather elements and pests, ensuring optimal growth conditions. Its robust construction and thoughtful design aim to provide a reliable environment for your gardening needs.



Figure 1.1: The Outsunny 12m<sup>2</sup> Tunnel Greenhouse, fully assembled.

## 2. SAFETY INFORMATION

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**Please read all safety warnings and instructions carefully before assembly and use. Failure to follow these instructions may result in injury or damage to the product.**

- **Anchoring:** Always ensure the greenhouse is securely anchored to the ground to prevent overturning, especially in strong winds. Use all provided anchoring hardware.
- **Location:** Avoid placing the greenhouse directly under trees or near power lines to prevent potential damage from falling branches or electrical hazards.
- **Sharp Objects:** Do not leave sharp or pointed objects inside the greenhouse that could puncture the cover or cause injury.
- **Regular Inspection:** Periodically check the stability of the frame and the integrity of all fixings and the cover. Address any loose connections or damage immediately.
- **Ventilation:** Ensure adequate ventilation, especially during prolonged sun exposure, to prevent excessive heat buildup and potential fire risks.

- **Assembly:** Assembly should be performed by at least two adults. Wear appropriate safety gear, such as gloves, during assembly.

### 3. PACKAGE CONTENTS

Before beginning assembly, verify that all components listed below are present and undamaged. If any parts are missing or damaged, please contact customer support.

- Galvanized Steel Frame Components (tubes, connectors, crossbars)
- Polyethylene (PE) Cover (140 g/m<sup>2</sup>, anti-UV treated)
- Door Panels with Hinges and Handles
- Ground Anchoring Stakes/Ropes
- Clamps and Fasteners for Cover Attachment
- Assembly Hardware (screws, bolts, nuts)

## CONCEPTION STABLE



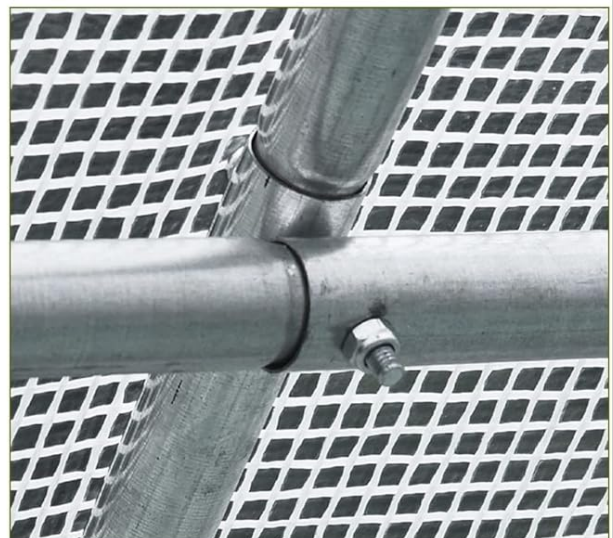
Cordes pour une fixation facile



Les bords prolongés de la couverture doivent être enfouis dans le sol



Conception de la boucle pour une meilleure fixation de la couverture et du cadre



Vis solide pour fixer le cadre à la structure

Figure 3.1: Key components for stable design and assembly.

## 4. SETUP AND ASSEMBLY

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Follow these steps for proper assembly of your tunnel greenhouse. It is recommended to assemble the greenhouse on a flat, level surface with sufficient space.

1. **Prepare the Site:** Choose a suitable location, clear of debris, and ensure the ground is level. Consider sun exposure and wind direction.
2. **Assemble the Frame:** Connect the galvanized steel tubes according to the provided diagram. Ensure all connections are secure using the supplied screws and bolts. The frame features 25mm diameter, 0.6mm thick reinforced tubes for stability.
3. **Attach the Cover:** Carefully drape the 140 g/m<sup>2</sup> anti-UV polyethylene cover over the assembled frame. Ensure it is centered and evenly distributed. The cover is designed with prolonged edges for optimal ground anchoring.
4. **Secure the Cover:** Use the innovative clamp system to firmly attach the cover to the tubular chassis. Ensure all clamps are tightly fastened to prevent the cover from shifting in the wind.
5. **Install Doors:** Attach the two hinged door panels at the designated ends of the greenhouse. Ensure they open and close smoothly and that the handles and closing cords are functional.
6. **Ground Anchoring:** Bury the prolonged edges of the cover into the soil and use the provided ground anchoring stakes and ropes to secure the entire structure firmly to the ground. This is crucial for stability.

# MÉTAL GALVANISÉ RENFORCÉ



Pour plus de stabilité et une grande résistance

Figure 4.1: Reinforced galvanized metal frame details.





Figure 4.2: Detail of the door hinge mechanism.

## 5. OPERATING INSTRUCTIONS

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The Outsunny tunnel greenhouse is designed to create an optimal environment for plant growth. Here are guidelines for its effective use:

- **Ventilation:** The greenhouse features two doors with hinges, handles, and closing cords, allowing for optimal ventilation. Open the doors during warm periods to regulate temperature and humidity, preventing overheating and promoting air circulation.
- **Plant Cultivation:** Utilize the 12m<sup>2</sup> ground surface for cultivating a variety of plants, including flowers, vegetables, and fruits. The greenhouse provides protection against adverse weather conditions, birds, and harmful UV rays.
- **Temperature Control:** Monitor the internal temperature. In colder weather, keep doors closed to retain heat. In warmer weather, ensure adequate airflow to prevent heat stress on plants.

# PRATIQUE



Figure 5.1: Practical features for access and ventilation.





Fruits

## Profitez de la joie de la plantation et de la récolte



Légumes



Fleurs

Figure 5.2: Enjoy the benefits of planting and harvesting with your greenhouse.

## 6. MAINTENANCE

Regular maintenance will extend the lifespan of your Outsunny tunnel greenhouse and ensure its continued performance.

- **Frame Inspection:** Periodically check all frame connections for tightness. Tighten any loose screws or bolts. Inspect the galvanized steel for any signs of rust or damage.
- **Cover Care:** Inspect the polyethylene cover for tears, punctures, or excessive wear. Minor damage can often be repaired with specialized greenhouse repair tape. Clean the cover gently with mild soap and water to remove dirt and algae, which can reduce light transmission. Avoid harsh chemicals.
- **Anchoring Check:** Regularly verify that the ground anchors and ropes are secure, especially after strong winds or heavy rainfall. Re-anchor if necessary.
- **Snow Removal:** In areas with heavy snowfall, gently remove accumulated snow from the greenhouse roof to prevent structural damage due to excessive weight.

## 7. TROUBLESHOOTING



Here are solutions to common issues you might encounter with your greenhouse:

- **Greenhouse Instability:** If the greenhouse feels unstable, immediately check all frame connections and ground anchors. Ensure all screws are tightened and ground stakes are firmly in place. Re-bury the prolonged edges of the cover if they have become exposed.
- **Cover Damage (Tears/Punctures):** Inspect the cover for the source of the damage. For small tears, use a durable greenhouse repair tape. For larger damage, consider replacing the cover if available.
- **Poor Ventilation/Overheating:** Ensure both doors are fully open during warm periods to allow for maximum airflow. If plants are still overheating, consider adding additional shading during peak sun hours.
- **Water Accumulation on Roof:** Ensure the cover is taut and properly secured to prevent water from pooling, which can cause sagging or damage. Adjust clamps and anchoring ropes as needed.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	845-076WT0531
Overall Dimensions (L x W x H)	400 x 300 x 200 cm (12 m² surface area)
Weight	35.5 kg
Frame Material	Galvanized Metal
Frame Tube Diameter	25 mm
Frame Tube Thickness	0.6 mm
Cover Material	140 g/m² Polyethylene (PE)
Cover Features	Anti-UV, Tear-resistant, Heat retention, Sun protection, Bird protection
Number of Doors	2 (hinged, with handles and closing cords)
Color	White

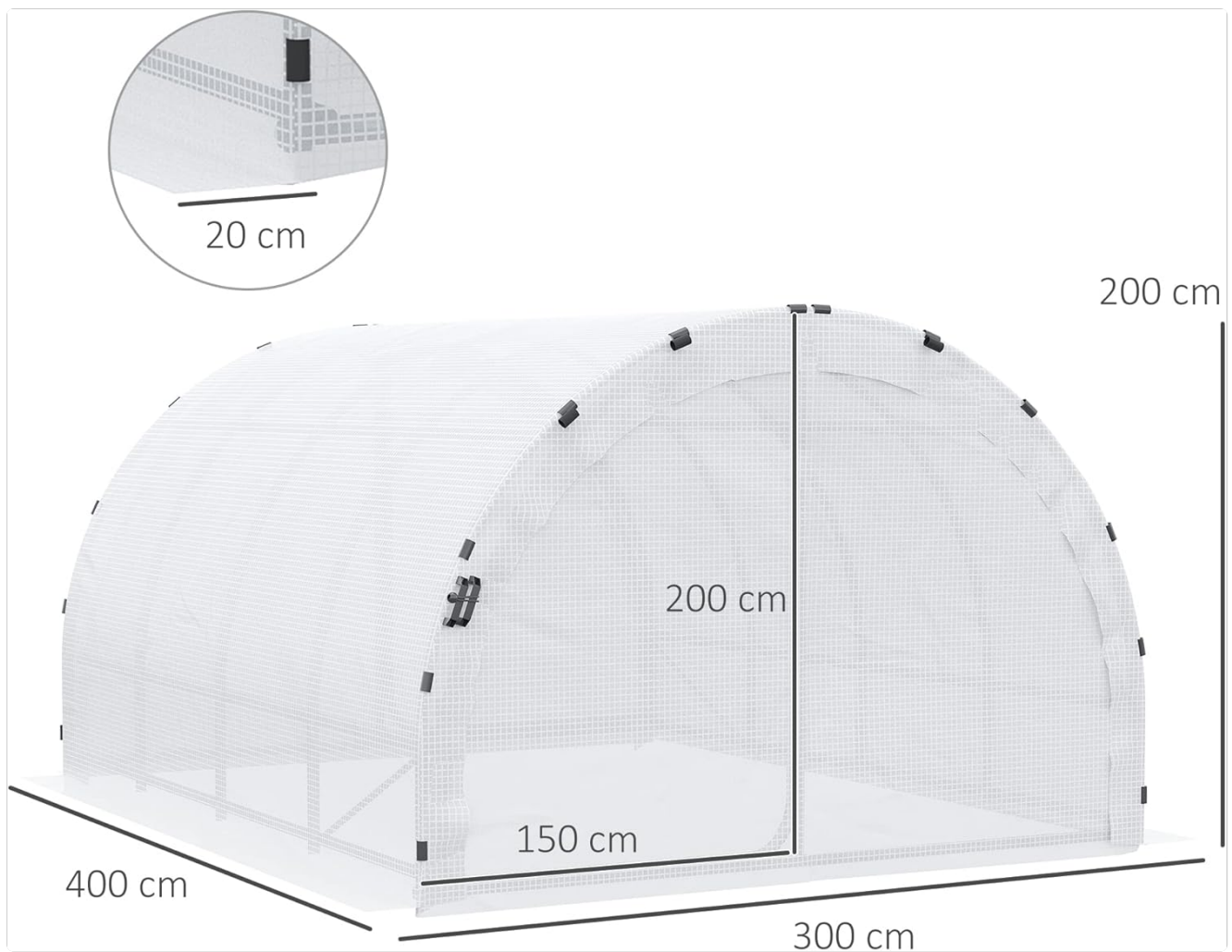


Figure 8.1: Greenhouse dimensions.

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. Spare parts availability information is not provided in this manual.

For further assistance, technical support, or to inquire about replacement parts, please contact Outsunny customer support through their official website or your point of purchase. When contacting support, please have your model number (845-076WT0531) and purchase date ready.