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› CDCASA 10x28 FT Polycarbonate Greenhouse Instruction Manual

CDCASA Y8L046-1028-ST-LL0827

CDCASA 10x28 FT Polycarbonate Greenhouse Instruction Manual

Model: Y8L046-1028-ST-LL0827

1. SAFETY INFORMATION

Before beginning assembly or using the greenhouse, please read and understand all safety instructions. Failure to follow these guidelines may result in injury or damage to the product.

- Always wear appropriate safety gear, including gloves and eye protection, when assembling, using, or maintaining the greenhouse.
- Be cautious of sharp edges on aluminum components and heavy panels during handling.
- Secure the greenhouse firmly to the ground using the provided screws or by burying the base feet in soil or concrete. This is crucial to prevent tipping in windy conditions.
- Ensure proper ventilation to prevent overheating inside the greenhouse, which can harm plants. Utilize the adjustable roof vents.
- Protect yourself from UV exposure by wearing appropriate clothing and sunscreen when working inside or around the greenhouse, especially during prolonged periods.
- Follow all instructions provided in this manual and any accompanying video guides for safe and proper assembly and use.

2. PRODUCT OVERVIEW

The CDCASA 10x28 FT Polycarbonate Greenhouse is designed to provide an optimal environment for plant growth. It features a robust aluminum frame and durable polycarbonate panels, offering significant space and protection.

Key Features:

- **Dimensions:** Approximately 28 feet 8 inches (L) x 10 feet 3 inches (W) x 10 feet (H).

- **Covering Area:** Approximately 283.09 square feet.
- **Durable Panels:** 4mm twin-wall polycarbonate panels, designed to be nearly unbreakable. They allow 70% light transmission for plant growth while blocking over 99.9% of harmful UV rays.
- **Sturdy Frame:** Robust, rust-resistant aluminum frame with a Quick Connect system for easier assembly. It can withstand snow loads up to 20 PSF.
- **Ventilation:** Equipped with 6 adjustable roof vents to ensure continuous fresh air supply and temperature regulation.
- **Access:** Features a double swing door with snap-on handles for easy entry and secure closure.
- **Water Management:** Integrated rain gutters on both sides effectively drain rain and snow.



Figure 2.1: Exterior view of the CDCASA 10x28 FT Polycarbonate Greenhouse.

10X28X10FT EXTRA-LARGE SPACE

Upgraded Easy Installation, Wider Aluminum Frame for Enhanced Stability



Figure 2.2: Greenhouse dimensions, showing 10x28x10 FT extra-large space.

New Upgrade Better Quality

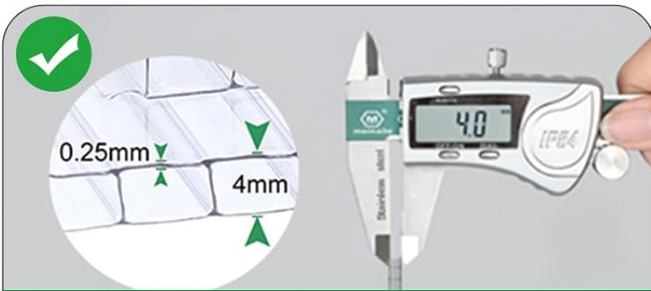
ours



Weather Resistant, Snow Load Capacity: 20PSF



Wide and Thick Aluminum Frame



Premim Single PC, Thickness(0.25mm)

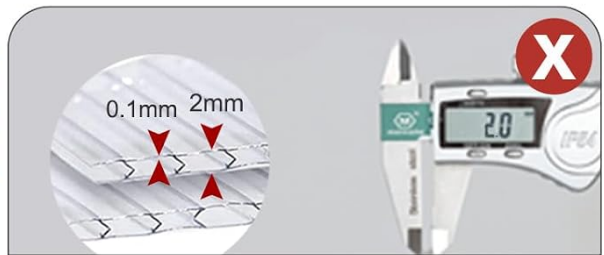
OTHERS



Easy fallapart, Snow Load Capacity: 14PSF



Narrow and Thin Frame



Almost No Thickness(0.1mm)

Figure 2.3: Details on the wide and thick aluminum frame and 4mm polycarbonate panels.

3. SETUP AND ASSEMBLY

Assembly of the CDCASA greenhouse requires careful attention to detail. It is recommended that 3-4 skilled individuals work together, which can complete the assembly within 5-8 hours. The product is delivered in 7 boxes. A video guide is available to assist with key assembly steps.

General Assembly Tips:

- Unpack all boxes and identify components using the provided parts list.
- Ensure the white side of the polycarbonate panels faces inwards and the clear side faces outwards for optimal light transmission and UV protection.
- If panels are difficult to insert into grooves, gently thin the edge of the panel with a rubber hammer to facilitate insertion.
- Always push all panels firmly to the bottom of their respective grooves to ensure a secure and stable fit.

- An electric screwdriver is recommended for faster assembly.

Specific Assembly Guidance:

- **Frame Connections:** The Quick Connect system simplifies frame assembly. Ensure all connections are secure.
- **Door Assembly:** When assembling the right door, ensure the third prong of the corner joint bracket points towards the back of the greenhouse, and the vertical beam with door hinges is on the right side when facing the greenhouse.
- **Window Assembly:** The cylindrical edge of the window assembly fits into the circular channel on the roof ridge.
- **Panel Insertion:** Ensure proper overlap between polycarbonate sheets and the aluminum frame for stability. Incorrect placement can lead to instability.
- **Gutter Installation:** Gutters play a critical role in securing side wall and roof panels. Ensure they firmly press both panels together to prevent water and wind penetration.

Assembly Visual Aids:

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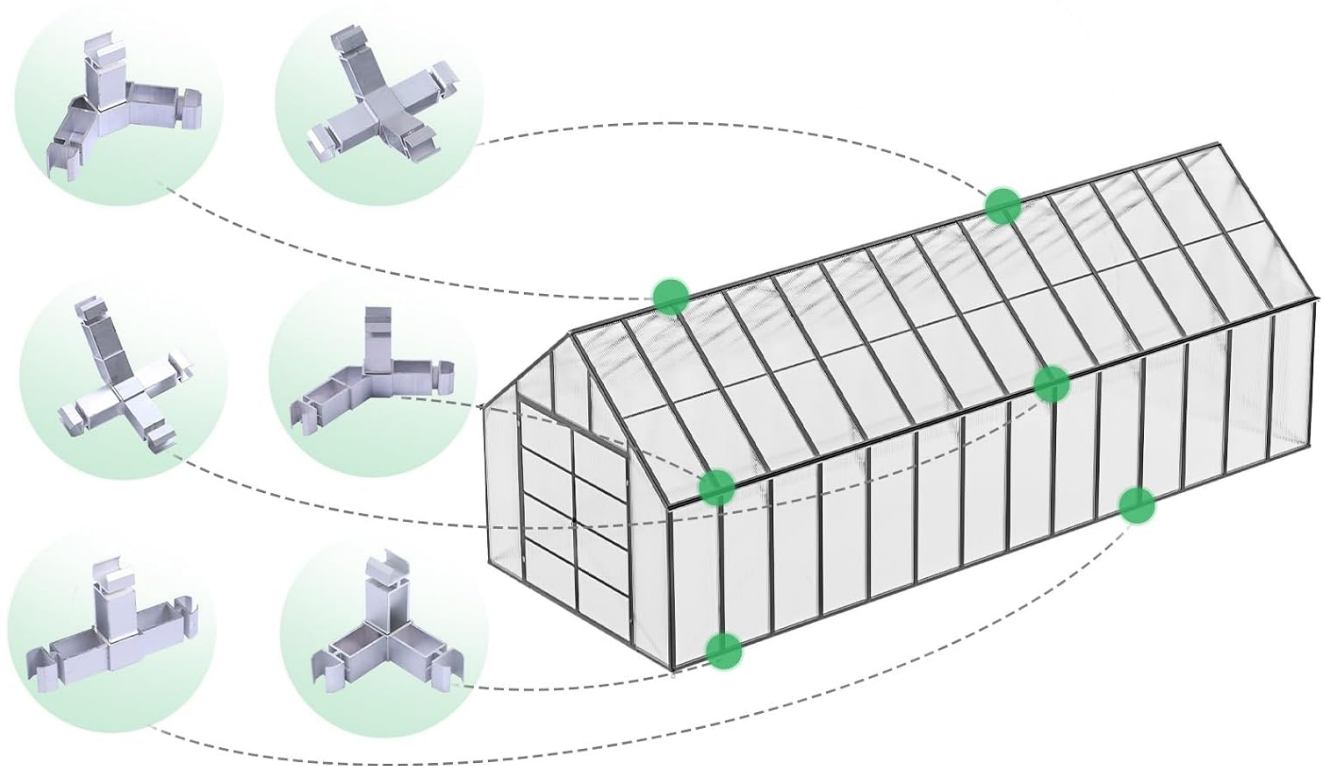
Video 3.1: Instructions for installing the greenhouse doors. This video demonstrates the process of assembling and attaching the door panels to the frame.

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Video 3.2: Instructions for installing the greenhouse windows. This video provides a visual guide for correctly assembling and securing the window components.

UPDATED ALUMINUM CONNECTORS

Quick Connect System: **Save over 50% time** compared to ordinary connecting



1. Wider and thicker **aluminum frame**, more **sturdy and stable**
2. Can be assembled into 10x12, 10x16, 10x20, 10x28, 10x32 Stay tuned

Figure 3.1: Illustration of the Quick Connect system for aluminum frame assembly, designed to save time.

4. OPERATING THE GREENHOUSE

Once assembled, your CDCASA greenhouse is ready for use. Proper operation ensures a healthy environment for your plants.

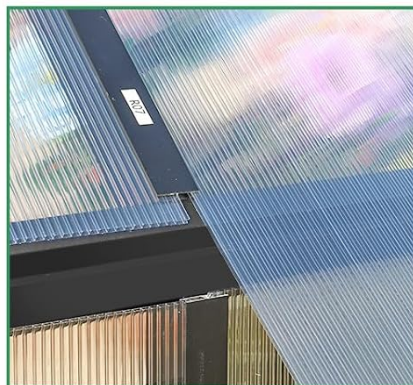
Ventilation:

The greenhouse is equipped with 6 adjustable roof vents. Open these vents to allow fresh air circulation and to release excess heat, especially on warm days. Adjust the opening angle based on external temperature and desired internal climate.

6 Adjustable Roof Vent



Built-in Gutter System



Life resistant and thicker 4MM-PC Panels



Snap-on Door Handle

Figure 4.1: The 6 adjustable roof vents provide essential airflow and temperature control.

Door Operation:

The greenhouse features a double swing door for easy access. The snap-on door handles ensure the doors remain securely closed when not in use, protecting your plants from external elements.

Water Management:

Built-in rain gutters effectively collect and channel rainwater away from the greenhouse structure, preventing water accumulation and potential damage.

5. MAINTENANCE

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

- **Cleaning:** Periodically clean the polycarbonate panels with mild soap and water to remove dirt and algae, ensuring maximum light penetration. Avoid abrasive cleaners.

- **Frame Inspection:** Annually inspect the aluminum frame for any signs of rust, damage, or loose connections. Tighten any loose screws or bolts.
- **Panel Security:** Regularly check that all polycarbonate panels are securely seated in their grooves. Re-secure any loose panels to maintain structural integrity and weather resistance.
- **Vent and Door Functionality:** Ensure that roof vents and doors open and close smoothly. Lubricate hinges if necessary.
- **Gutter Clearance:** Keep rain gutters clear of debris to ensure efficient water drainage.



Figure 5.1: The greenhouse is designed to withstand various weather conditions, but regular checks are recommended.



Figure 5.2: The robust frame is built to handle snow loads, but heavy accumulation should be monitored.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during assembly or use.

Assembly Challenges:

- **Difficulty inserting panels:** If polycarbonate panels do not slide easily into the frame grooves, gently tap the edge of the panel with a rubber hammer to slightly compress it, making it thinner for easier insertion.
- **Panels not secure:** Ensure all panels are fully pushed down to the bottom of their respective grooves. This is crucial for stability and weather sealing.
- **Misaligned holes:** If screw holes do not align, double-check that the correct components are being used and that they are oriented as per the instructions. Sometimes, the correct set of holes might be on the opposite side of a beam.
- **Gutter installation issues:** Ensure the gutter beam is correctly oriented and firmly presses both the roof and

side wall panels together. Incorrect installation can lead to leaks and reduced stability.

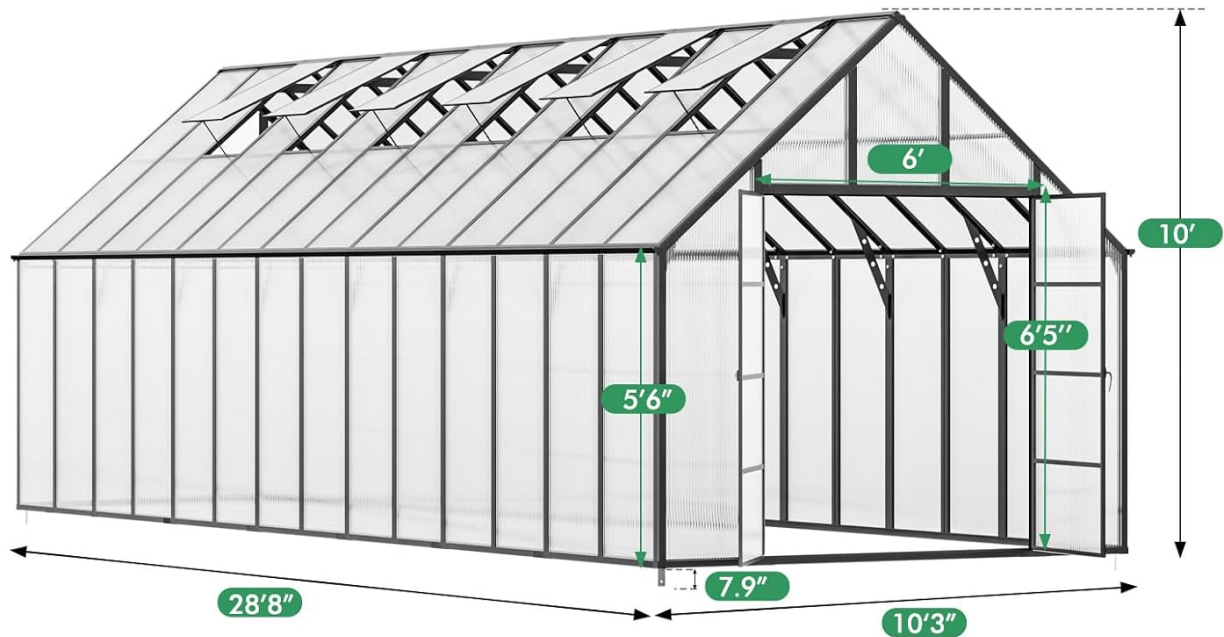
Operational Issues:

- **Poor ventilation:** Ensure all 6 roof vents are functioning correctly and are opened sufficiently to allow airflow. Check for any obstructions.
- **Door not closing properly:** Inspect door hinges and handles for damage or misalignment. Ensure the snap-on handles engage correctly.
- **Water leakage:** Check all panel seams and gutter connections. Ensure panels are fully seated and gutters are free of blockages.

7. SPECIFICATIONS

Brand	CDCASA
Model Number	Y8L046-1028-ST-LL0827
Dimensions (L x W x H)	28'8" x 10'3" x 10' (approx. 344.8" x 123" x 120")
Covering Area	283.09 sq ft (26.3 m²)
Frame Material	Thicker Aluminum
Cover Material	4mm Twin-wall Polycarbonate (PC)
Color	Black & Clear
Number of Vents	6 Adjustable Roof Vents
Door Style	Double Swing Door
Snow Load Capacity	Up to 20 PSF

PRODUCT DIMENSIONS



Covering Area: 26.3m² / 283.09 ft²

4 Windows and can be installed on the left or right



Allow several hours
for installation



7 Boxes Delivered



Electric Screwdriver



3-4 people required

Figure 7.1: Visual representation of the greenhouse dimensions and key features.

8. WARRANTY AND SUPPORT

CDCASA is committed to providing quality products and customer satisfaction.

- **Returns:** Enjoy 30-day easy returns for your convenience.
- **Customer Support:** For any issues with your order or product, please contact our customer service team.
- **Contact Email:** customer-service@cd-casa.com
- **Online Resources:** Comprehensive instructions and installation videos are available to assist with quick setup and ongoing support.



Our team makes every effort to
bring our customer the best experience!

How to Contact Us

- 1.Go to Your Orders.
- 2.Find your order in the list.
- 3.Select Problem with order.
- 4.Choose your topic from list displayed.
- 5.Select Contact seller.

Figure 8.1: Contact information for CDCASA customer service.