

Outsunny US84C-0030131

Outsunny 12' x 20' Carport Portable Garage Instruction Manual

MODEL: US84C-0030131

1. INTRODUCTION

Thank you for choosing the Outsunny 12' x 20' Carport Portable Garage. This heavy-duty storage tent is designed to provide reliable protection for your vehicle, garden tools, or other outdoor equipment from various weather elements. Its robust galvanized steel frame and durable PE cover ensure longevity and stability. Please read this manual thoroughly before assembly and use to ensure proper setup and safe operation.



Figure 1: The Outsunny 12' x 20' Carport Portable Garage, showcasing its overall design and gray color.

2. SAFETY INFORMATION

Always follow these safety precautions to prevent injury or damage to the carport:

- **Assembly:** Always assemble with at least two to three people. Ensure the area is clear of obstructions and sharp objects.
- **Anchoring:** Securely anchor the carport to the ground using the provided stakes and by burying the extended edges deeply into the soil. In windy conditions, additional anchoring methods may be required.
- **Weather Conditions:** This carport is designed for light rain and UV protection. It is not intended for use in extreme weather conditions such as heavy snow, strong winds, or severe storms. Remove snow accumulation promptly from the roof to prevent collapse.
- **Ventilation:** Ensure adequate ventilation if storing items that may emit fumes.
- **Fire Hazard:** Keep the carport away from open flames, heaters, and other heat sources. Do not store flammable materials inside.
- **Structural Integrity:** Do not hang heavy objects from the frame or cover. Do not climb on the carport.
- **Maintenance:** Regularly inspect all connections, ropes, and anchors for wear or damage. Replace worn parts immediately.

3. COMPONENTS AND PARTS LIST

Before beginning assembly, verify that all parts are present and undamaged. Refer to the detailed component images below:

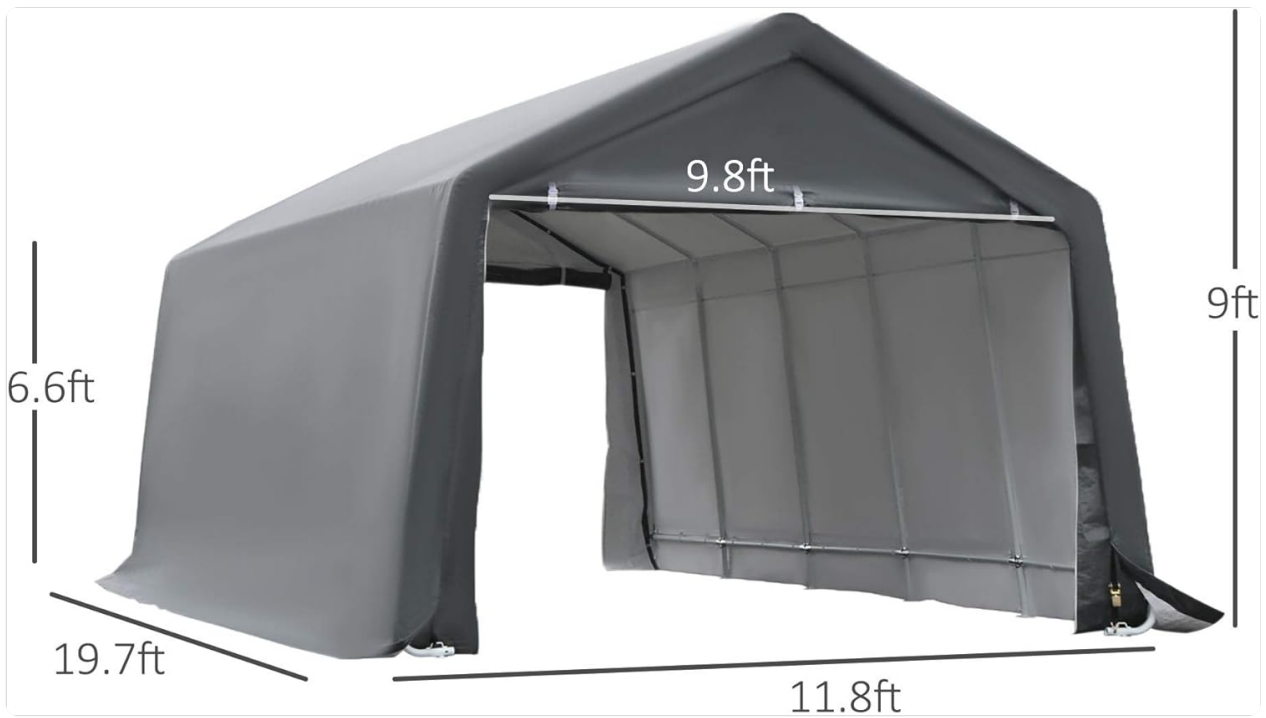


Figure 2: Key components including the powder-coated steel frame, secure tensioning device, firm connection points, anchor kit, bungee balls, useful zipper, roll-up door mechanism, and durable oxford cloth cover.



Figure 3: Illustration of the heavy-duty frame with stable multi-beam design and extra bottom stabilizing bars for enhanced rigidity.

Your package should include:

- Galvanized Steel Frame Pipes (various lengths and types)
- Connectors and Joints
- PE Fabric Cover (one-piece)
- Zippered End Doors (integrated with cover)
- Ratchet Straps for tensioning
- Ground Stakes and Ropes for anchoring
- Bungee Balls for securing cover to frame
- Assembly Hardware (bolts, nuts, etc.)

4. SETUP AND ASSEMBLY INSTRUCTIONS

Assembly typically requires 2-3 people and takes approximately 3-4 hours. Ensure you have a clear, level area for assembly. Basic tools like a wrench or socket set may be helpful.

1. **Unpack and Identify Parts:** Lay out all components and identify them according to the parts list.
2. **Assemble the Base Frame:** Connect the base pipes using the appropriate connectors. Ensure all connections are secure.
3. **Erect the Side and Roof Frames:** Attach the vertical and roof support pipes to the base frame. Gradually build up the structure, securing each connection point.



Figure 4: Detail of a firm frame connection point and the base plate for ground anchoring.

4. **Install the One-Piece Cover:** Carefully drape the one-piece PE cover over the assembled frame. Ensure it is centered and aligned correctly.
5. **Secure the Cover:** Use the bungee balls to attach the cover to the frame pipes. Utilize the ratchet straps to tension the cover securely, ensuring a snug fit and preventing flapping in the wind.



Roll-Up Zippered Door



Cover Tension System



Bungee Cords

Figure 5: Examples of the roll-up zippered door, cover tension system, and bungee cords.

- Anchor the Carport:** Drive the ground stakes firmly into the soil through the base plates. For maximum stability, bury the extended edges of the cover deeply into the soil to create a proper seal and additional anchoring.

5. OPERATING THE CARPORT

The Outsunny carport offers versatile configurations to suit your needs:

- **Zippered Doors:** The carport features two zippered doors at each end for easy entry and exit.
- **Roll-Up Doors:** The doors can be rolled up and secured with the integrated straps or buckles to allow for open access or increased ventilation.
- **Configurations:** The carport can be used fully enclosed, with one door open, or with both doors open.

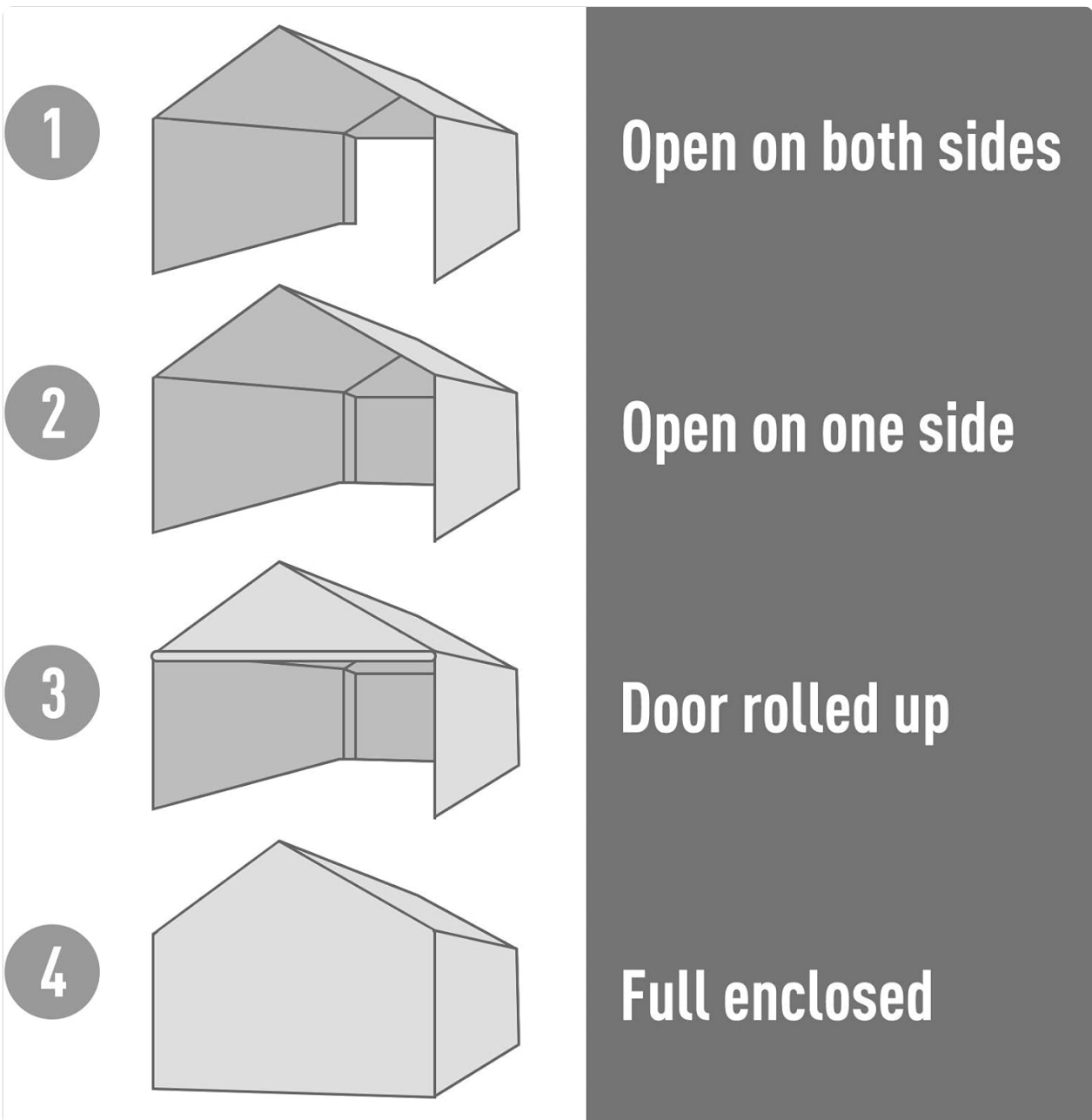


Figure 6: Various carport configurations, from fully open to fully enclosed.

The carport provides protection against dirt, light rain, and UV rays, making it suitable for various uses such as vehicle storage, garden shed, or temporary event shelter.

Figure 7: The one-piece cover offers dirt-proof, light rain-proof, and UV-proof protection.

6. MAINTENANCE

Regular maintenance will extend the life of your carport:

- **Cleaning:** Clean the PE cover with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the material.
- **Inspection:** Periodically inspect all frame connections, bungee cords, ratchet straps, and ground anchors for tightness and wear. Tighten any loose connections and replace any damaged components.
- **Snow Removal:** In areas with snowfall, promptly remove any accumulated snow from the roof to prevent

excessive weight and potential collapse.

- **Zipper Care:** Keep zippers clean and lubricated with a silicone-based spray to ensure smooth operation and prevent sticking or tearing.
- **Cover Integrity:** Check the cover for any tears or thinning spots, especially where it contacts the frame. Consider applying protective tape or padding to frame points that might cause abrasion.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Carport Instability in Wind:**

Solution: Ensure all ground stakes are fully driven into the ground. Verify that the extended edges of the cover are buried deeply into the soil. Check that all ratchet straps are properly tensioned and secure. Consider using additional heavy-duty anchors in high-wind areas.

- **Cover Tearing or Wearing Thin:**

Solution: Inspect the frame for any sharp edges or burrs that might be rubbing against the cover. If found, smooth them down or apply protective padding. Ensure the cover is properly tensioned to prevent flapping, which can cause abrasion.

- **Zippers Sticking or Breaking:**

Solution: Keep zippers clean from dirt and debris. Apply a silicone-based lubricant to the zipper teeth periodically. Operate zippers gently and avoid forcing them.

- **Water Pooling on Roof:**

Solution: Ensure the cover is tightly tensioned across the roof frame using the ratchet straps. Proper tension helps maintain the roof's peak, allowing water to run off.

8. SPECIFICATIONS



Figure 8: Carport dimensions for planning placement.

Feature	Detail
Brand	Outsunny
Model Number	US84C-0030131
Overall Dimensions (L x W x H)	236.25" x 141.75" x 108.25" (19.7 ft x 11.8 ft x 9 ft)
Material	Alloy Steel (Frame), Polyethylene (PE) (Cover)
Color	Gray
Item Weight	155 Pounds
UV Protection	Yes
Water Resistance Level	Water Resistant
Closure Type	Zipper
Assembly Required	Yes

9. WARRANTY AND SUPPORT

Specific warranty details for this product are not provided in the available information. For warranty claims, replacement parts, or technical support, please contact Outsunny customer service directly. You can often find contact information on the manufacturer's website or through the retailer where you purchased the product. Visit the official Outsunny store for more information:[Outsunny Store](#)