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› Sannwsg 20x20 Heavy Duty Metal Carport User Manual

## Sannwsg car port

# Sannwsg 20x20 Heavy Duty Metal Carport User Manual

MODEL: CAR PORT

## Product Overview

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The Sannwsg 20x20 Heavy Duty Metal Carport is designed to provide robust and reliable shelter for vehicles and outdoor equipment. Its galvanized metal roof and alloy steel frame ensure durability against various weather conditions, including snow and strong winds. This manual provides comprehensive instructions for assembly, operation, maintenance, and troubleshooting to ensure safe and effective use of your carport.



*Image: The Sannwsg 20x20 Metal Carport providing shelter for vehicles in snowy conditions.*

This carport offers a spacious 400 sq. ft. storage area, comfortably accommodating two cars, trucks, or larger vehicles. Its high-pitched roof is specifically designed for efficient shedding of snow and rain, preventing accumulation and potential damage. The robust galvanized steel frame is engineered to withstand winds up to 100 MPH and snow loads of 49.2 PSF, ensuring reliable protection in all seasons.

# 20X20 METAL CARPORT

Carport Storage Area: 400 sq. ft.



Image: A diagram illustrating the 20x20 dimensions and 400 sq. ft. storage capacity of the carport.

## Safety Information

### Important Safety Precautions:

- Always follow the assembly instructions carefully and completely.
- Ensure the carport is secured to a stable and level foundation to prevent tipping or collapse, especially in strong winds.
- Keep all small parts and accessories out of reach of children to prevent choking hazards.
- Regularly inspect the carport for any signs of wear, damage, or loose connections. Perform necessary maintenance and repairs promptly to ensure its safety and longevity.
- Do not hang heavy objects from the carport frame.
- Clear excessive snow accumulation from the roof to prevent structural strain.

## Parts List

Before beginning assembly, verify that all components listed below are present and undamaged. Refer to

the included parts diagram for visual identification.

## Structural Components:

- Alloy Steel Frame Components (various lengths and shapes, labeled A, B, C, D, D1, E, F1, F2, F3)
- Galvanized Metal Roof Panels (labeled G, H)
- Reinforcement Bars (labeled P)

## Included Accessories:

- Durable PE Material Side Walls (for enhanced enclosure and weather protection)
- Waterproof Tape
- Sealing Caulk
- Waterproof Sealing Strips
- Solar Lamp (for illumination)
- Side Barriers
- Perimeter-Guard Rails
- Ground Anchors (K)
- Fasteners (screws, bolts, washers, labeled I, J, T)



*Image: A visual representation of all included carport parts and accessories.*

## Assembly Instructions

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Assembly requires at least two people. Follow these steps carefully. A video guide is provided below for visual assistance.

### Step 1: Assemble the Base Frame

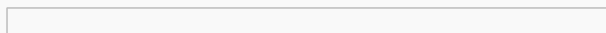
Connect the bottom support rods (B and C) using the provided fasteners (I). Ensure all connections are secure. Repeat for all base sections.



*Image: Illustration of connecting bottom support rods (B and C).*

### Step 2: Construct the Roof Trusses

Assemble the upper frame components (A, D, D1, E, F1, F2, F3) to form the roof trusses. Pay close attention to the orientation of each piece and secure them with the appropriate fasteners (J, T).



*Image: Detailed view of assembling the roof truss components.*

### Step 3: Connect Vertical Supports

Attach the vertical support poles (A) to the assembled base frame (B) using fasteners (I). Ensure all connections are tight and the structure is stable.



*Image: Illustration of attaching vertical support poles to the base frame.*

### Step 4: Install Reinforcement Bars

Install the reinforcement bars (P) to the upper frame structure. These bars provide additional stability and strength to the carport frame.



Image: Visual guide for installing the reinforcement bars.

## Step 5: Secure the Frame to the Ground

Once the main frame is assembled, use the provided ground anchors (K) to firmly secure the carport to a level surface. This step is crucial for stability and wind resistance.

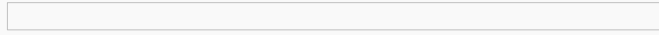


Image: Instructions for anchoring the carport frame to the ground.

## Step 6: Attach Roof Panels

Begin installing the galvanized metal roof panels (G and H) from the top down, ensuring proper overlap for water shedding. Use the provided fasteners (I) to secure them to the frame. Apply sealing tape and strips as indicated in the parts list to prevent leaks.

### NO GAP GALVANIZED SHEET CEILING



- Both sides are covered with PE cloth, which can effectively shelter from the rain



- Screws add gaskets to effectively prevent rain from entering

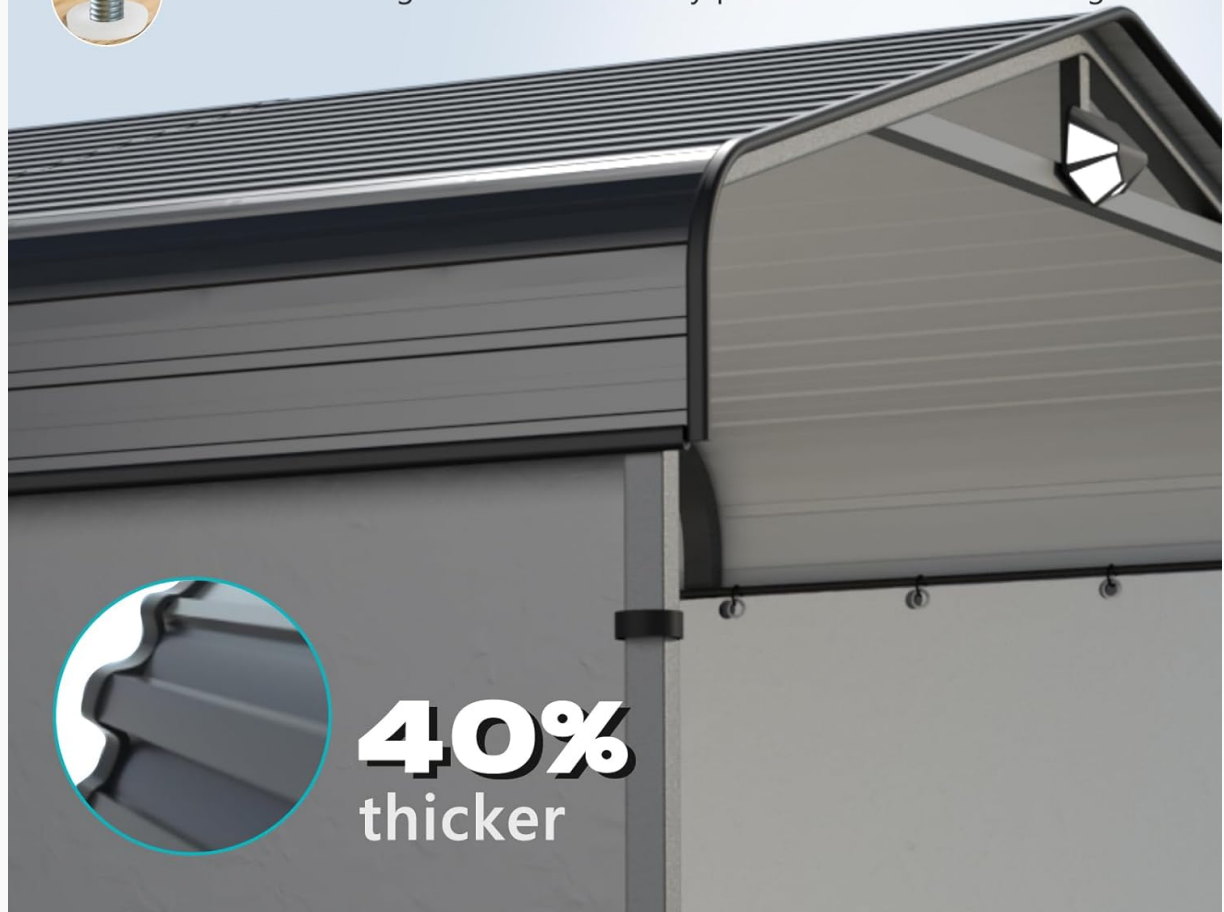
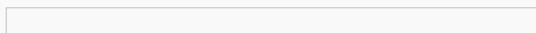


Image: Close-up view of the galvanized metal roof panels, highlighting their leak-proof design and thickness.



*Image: Step-by-step guide for installing the roof panels.*

## Step 7: Install Perimeter-Guard Rails

Install the perimeter-guard rails along the edges of the roof. These rails help secure the roof panels and provide a finished look.



*Image: Visual instructions for installing the perimeter-guard rails.*

## Step 8: Attach Side Walls (Optional)

If using the included PE material side walls, attach them to the carport frame using the designated attachment points and fasteners (P, S, R). Ensure they are securely fastened to provide full enclosure.



*Image: The carport with optional sidewalls installed, providing full enclosure.*



*Image: Detailed view of attaching the sidewalls to the carport frame.*

## Assembly Video Guide:

*Video: A comprehensive assembly guide for the Sannwsg 20x20 Metal Carport. This video demonstrates each step of the installation process, from frame assembly to roof panel and sidewall attachment, providing visual clarity for users.*

## Operating Instructions

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The Sannwsg Metal Carport is designed for straightforward operation. Once fully assembled and secured, it provides immediate shelter.

- **Vehicle Parking:** Drive vehicles slowly and carefully into the carport, ensuring adequate clearance on all sides to prevent accidental contact with the frame.
- **Storage:** The carport can also be used for storing various outdoor items such as boats, ATVs, or hay bales, protecting them from the elements.
- **Multi-use Shelter:** Beyond vehicle storage, the carport can serve as a versatile outdoor shelter for gatherings, workshops, or temporary storage needs.



*Image: Examples of the carport's versatile uses, from sheltering vehicles to providing space for outdoor activities.*

## Maintenance

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Regular maintenance will extend the lifespan and ensure the continued performance of your Sannwsg Metal Carport.

- **Cleaning:** Periodically clean the roof panels and frame with mild soap and water to remove dirt, debris, and environmental buildup. Avoid abrasive cleaners or tools that could scratch the galvanized finish.
- **Snow Removal:** In areas with heavy snowfall, regularly remove accumulated snow from the roof to prevent excessive weight and potential damage to the structure.
- **Fastener Check:** Annually, or after severe weather events, inspect all bolts, screws, and anchors to ensure they remain tight. Tighten any loose fasteners.
- **Leak Inspection:** Check for any signs of water leakage, especially around seams and fastener points. Use the included waterproof tape, sealing caulk, or waterproof sealing strips to address any leaks promptly.

# 100% LEAK-PROOF

Please use the included bonus product to improve leakage prevention performance

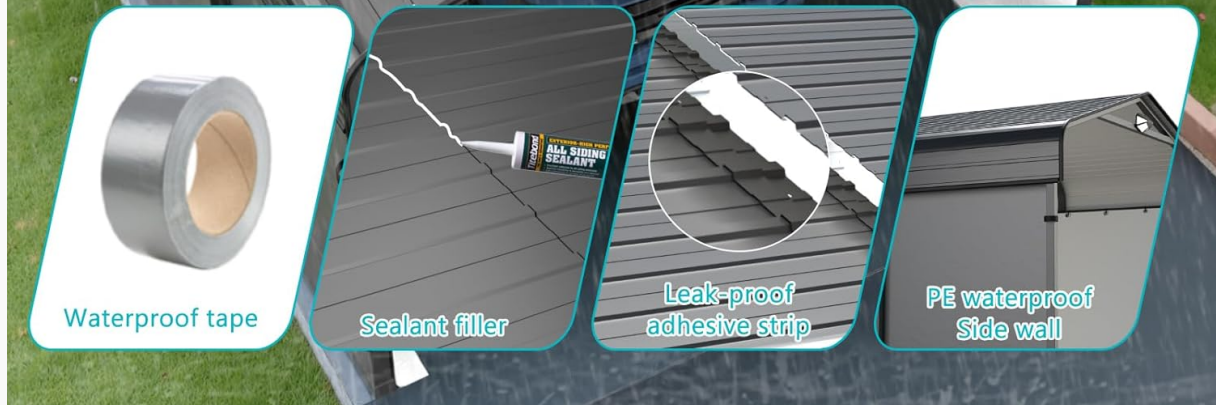


Image: Visual representation of the leak-proof features and accessories provided for maintenance.

## Troubleshooting

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

- **Issue: Carport feels unstable or sways in wind.**  
**Solution:** Ensure all ground anchors are fully driven into the ground and tightened. Verify that the installation surface is level. Check all frame connections (bolts and screws) for tightness and secure any loose ones.
- **Issue: Water leakage from the roof.**  
**Solution:** Inspect the roof panels for proper overlap and ensure all screws are tightly fastened. Apply the provided waterproof tape, sealing caulk, or waterproof sealing strips along seams and around screw points where leaks are detected.
- **Issue: Difficulty in assembling parts.**  
**Solution:** Double-check the part labels against the assembly diagrams. Ensure components are oriented correctly. Do not force parts together; if a fit is too tight, re-examine the instructions for correct part identification or potential minor manufacturing variations. Contact customer service if parts appear to be defective or severely misaligned.

*Video: This video demonstrates the application of sealant and tape to prevent leaks, which can be useful for troubleshooting minor leakage issues after installation.*

## Specifications

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Attribute	Detail
Brand	Sannwsg
Model Number	car port
Material	Metal with PE sidewall
Color	Dark Grey
Product Dimensions	240"L x 240"W x 120"H (20ft x 20ft x 10ft)
Frame Material	Alloy Steel
Water Resistance Level	Waterproof
Assembly Required	Yes
Wind Resistance	Up to 100 MPH
Snow Load Capacity	49.2 PSF

## Warranty and Support

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Your Sannwsg Metal Carport comes with a standard manufacturer's warranty. For specific details regarding warranty coverage, duration, and claims, please refer to the documentation included with your purchase or contact Sannwsg customer service directly.

**Customer Service:** For any questions, missing parts, damaged components, or technical assistance, please contact the seller, gardensure, through your purchase platform or refer to the contact information provided in your product packaging. They are committed to ensuring a smooth experience and addressing any concerns.

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty. Please check your purchase details for options such as 2-Year or 3-Year Protection Plans.