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> EASYHAWK 20x30 FT Metal Carport: Assembly and User Manual

EASYHAWK APCP-302BK

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Model: APCP-302BK

1. INTRODUCTION

This manual provides essential information for the safe and efficient assembly, operation, and maintenance of your EASYHAWK 20x30 FT Metal Carport. Designed for durability and versatility, this carport offers robust protection for vehicles and outdoor equipment against various weather conditions. Please read this manual thoroughly before beginning assembly or use to ensure proper installation and longevity of your product.



Figure 1: The EASYHAWK 20x30 FT Metal Carport providing shelter for a pickup truck and a tractor.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- **Assembly Safety:**

- Always assemble with at least two people.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the assembly area is clear of obstructions and hazards.
- Do not attempt assembly in high winds, heavy rain, or other adverse weather conditions.
- Use a stable ladder or scaffolding when working at height.

- **Site Preparation:**

- Select a level and stable site for installation.
- Ensure adequate clearance from power lines, trees, and other structures.
- Verify that the ground can support the weight of the carport and any potential snow or wind loads.
- Consult local building codes and regulations before installation.

- **Structural Integrity:**

- Regularly inspect all connections and fasteners for tightness.
- Do not modify the structure of the carport without consulting the manufacturer.
- Remove heavy snow accumulation from the roof to prevent collapse.
- Ensure proper anchoring to the ground to resist wind uplift.

- **General Safety:**

- Keep children and pets away from the assembly area.
- Store all tools and unused parts safely.

3. PACKAGE CONTENTS

Before beginning assembly, verify that all parts listed in the packing list are present and undamaged. If any parts are missing or damaged, contact EASYHAWK customer support immediately.

The carport components are typically distributed across multiple boxes. Refer to the detailed packing list included with your shipment for specific quantities and part numbers.

Key Components:

- Steel Frame Components (square steel tubing, various lengths and shapes)
- Steel Roof Panels (Corrugated Colorbond Steel)
- Reinforced Base Plates
- Crossbars and Support Rods
- Fasteners (bolts, nuts, washers, self-tapping screws)
- Anchoring Hardware (ground anchors, concrete anchors - depending on installation surface)
- Assembly Tools (basic wrenches, hex keys - some may be included, but power tools are recommended)
- Instruction Manual

4. SPECIFICATIONS

The EASYHAWK 20x30 FT Metal Carport is engineered for robust performance and durability.

Feature	Detail
Model Number	APCP-302BK
Dimensions (L x W x H)	30 ft x 20 ft x 9.7 ft (349"L x 238"W x 116"H)
Frame Material	Powder-coated square steel tubing
Roof Material	Corrugated Colorbond Steel
Color	Black
Item Weight	Approximately 929.47 lbs
Water Resistance	Waterproof
Assembly Required	Yes
Recommended Use	Vehicle cover, RV/boat storage, outdoor workspace, patio/garden cover




Figure 2: Dimensional overview of the 20x30 FT carport, illustrating its spacious design.

Strong Structure with Long Service Time




 2" Diameter with Rust Resistant Coating Frame



 Strong Structure with Long Service Time



 Reinforced Base Improve Stability




 Reinforced Support Rods

Figure 3: Details of the carport's robust construction, including 2-inch diameter rust-resistant coated frame, reinforced base, and support rods for enhanced stability and longevity.

EVOLUTION OF STRENGTH

31 Extra Bars = 40% More Weight Capacity



2015 Gen 1 Frame

Basic Frame (5 Bars)

Holds 40kg/m²

Risk: Sagging Over Time



2024 Gen 2 UPGRADE

EASYHAWK Gen 2 (31 Extra Bars)

75kg/m² Load Capacity

Lifetime No-Sag Guarantee

Figure 4: Evolution of strength, highlighting the Gen 2 upgrade with 31 extra bars for 40% more weight capacity and a 75kg/m² load capacity, compared to a basic Gen 1 frame.

5. SETUP AND ASSEMBLY

This section outlines the general steps for assembling your EASYHAWK Metal Carport. Refer to the detailed assembly guide included in your package for specific diagrams and part identification. Assembly typically requires 2-3 people and basic tools (wrenches, socket set, measuring tape, level, drill).

5.1 Site Preparation

- Choose a flat, level area free from overhead obstructions like power lines or tree branches.
- Ensure the ground is stable and capable of supporting the carport's weight, especially under snow or wind loads.
- Clear the area of debris and mark the footprint of the carport.
- Consider drainage to prevent water accumulation around the base.

5.2 Assembly Steps

Carport installation Guide

Installation step diagram

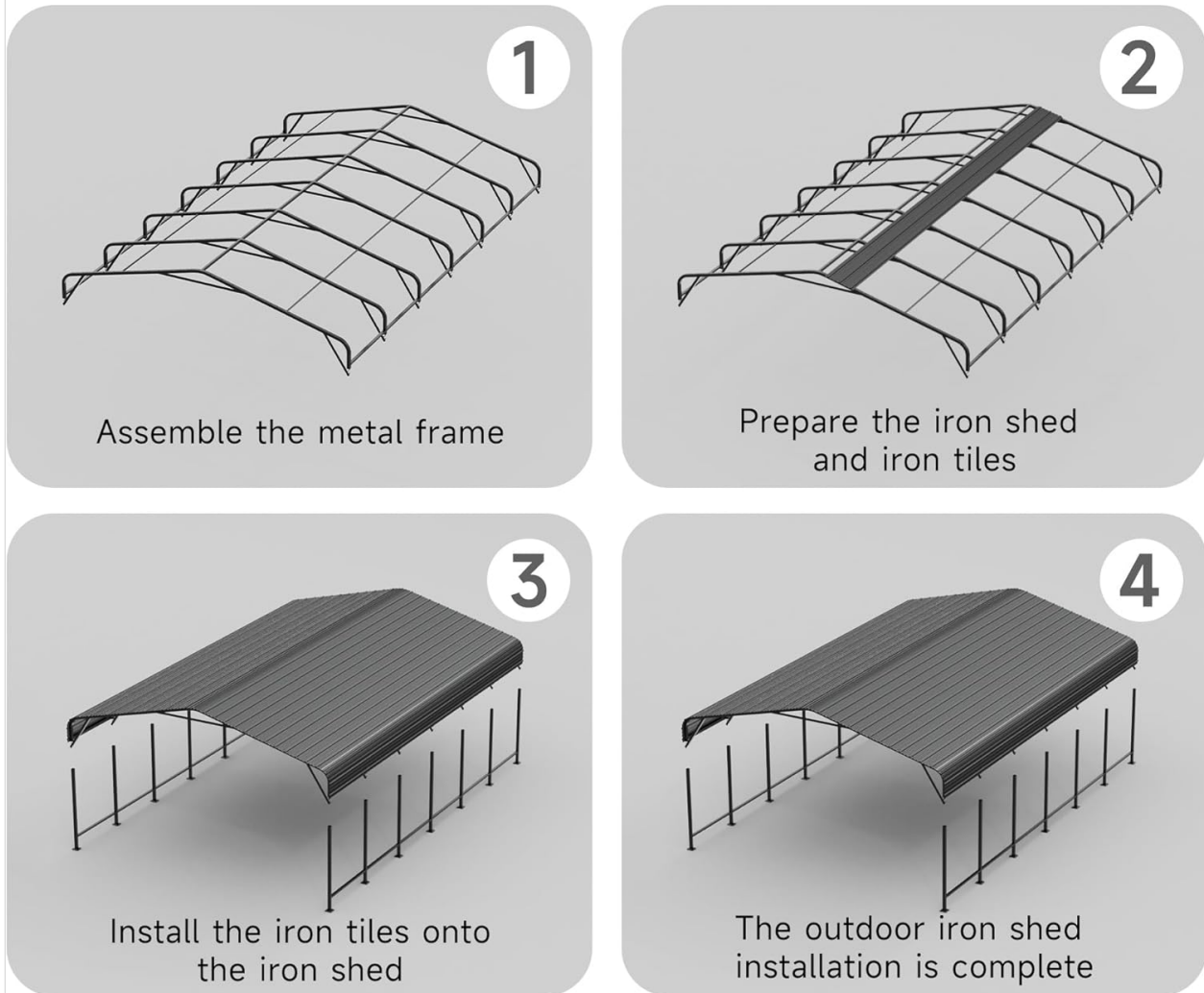


Figure 5: Visual guide to the carport installation process.

1. Assemble the Metal Frame:

Begin by laying out all frame components according to the included diagrams. Connect the vertical posts to the base plates and then attach the horizontal beams and roof trusses. Ensure all connections are finger-tight initially, allowing for adjustments.

Tip: Organize parts by their labels to streamline the process.

2. Prepare the Roof Structure and Panels:

Once the main frame is upright and stable, install the reinforced crossbars and support rods that form the skeleton for the roof. Unpack the Colorbond steel roof panels carefully, checking for any damage. Remove any protective film from the panels.

Caution: Metal edges can be sharp. Wear gloves during handling.

3. Install the Roof Panels:

Starting from one end, carefully lift and secure the roof panels onto the prepared roof structure. Overlap panels as instructed in your detailed guide to ensure a waterproof seal. Use self-tapping screws to fasten the panels to the frame. Work systematically, ensuring each panel is properly aligned before securing it fully.

Note: The sloped design of the roof is crucial for water runoff. Ensure panels are installed to maintain this slope.

4. Complete Installation and Anchoring:

After all roof panels are installed and securely fastened, tighten all bolts and nuts throughout the entire structure. Finally, anchor the carport to the ground using the provided hardware. For concrete surfaces, use concrete anchors; for soil or gravel, use ground anchors. Proper anchoring is critical for stability against wind.

Important: Double-check all connections for tightness and stability before using the carport.

6. USAGE

The EASYHAWK 20x30 FT Metal Carport is designed to provide versatile and durable shelter for a variety of applications.

6.1 Intended Use

- **Vehicle Protection:** Ideal for sheltering cars, full-sized pickup trucks, SUVs, RVs, bass boats, and tractors from sun, rain, snow, and hail.
- **Outdoor Storage:** Provides covered space for outdoor equipment, machinery, tools, and materials.
- **Workspace:** Can serve as a shaded or covered outdoor workspace for projects.
- **Patio/Garden Cover:** Offers protection for outdoor living areas or garden equipment.



Figure 6: The carport's all-weather design provides protection in various environmental conditions.

6.2 Important Considerations

- **Clearance:** Ensure sufficient clearance for vehicles and equipment when entering and exiting the carport.
- **Weight Distribution:** Avoid hanging heavy objects from the frame or roof, as this can compromise structural integrity.
- **Snow Load:** While designed for extreme weather, heavy snow accumulation should be removed promptly to prevent excessive stress on the roof structure.
- **Wind Exposure:** In areas prone to high winds, consider additional anchoring or wind bracing for enhanced security.



Figure 7: Illustrates the carport's versatility for both agricultural and personal vehicle storage.

7. MAINTENANCE

Regular maintenance will extend the life and ensure the continued safety of your EASYHAWK Metal Carport.

- **Routine Inspection:**

- Periodically check all bolts, nuts, and fasteners for tightness. Retighten as necessary.
- Inspect the frame for any signs of rust, corrosion, or damage. Address minor rust spots with rust-inhibiting paint.
- Examine roof panels for loose screws, dents, or punctures. Repair or replace damaged panels promptly to maintain waterproofing.
- Check anchoring points to ensure they remain secure.

- **Cleaning:**

- Clean the roof and frame periodically to remove dirt, leaves, and debris. A soft brush and mild soap with water are recommended.
- Avoid using abrasive cleaners or harsh chemicals that could damage the protective coating.
- Ensure proper drainage around the carport to prevent water buildup.

- **Snow Removal:**

- In areas with heavy snowfall, regularly remove snow from the roof to prevent excessive load. Use a soft broom or snow rake to avoid damaging the roof panels.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your carport.

Problem	Possible Cause	Solution
Carport feels unstable or wobbly.	Loose fasteners; inadequate anchoring; uneven ground.	Tighten all bolts and nuts. Ensure anchors are properly installed and secure. Verify the ground is level; if not, consider shimming or re-leveling the site.
Water leaks from the roof.	Improperly overlapped roof panels; loose roof screws; damaged roof panel.	Check roof panel overlap and ensure all screws are tight. Inspect panels for damage and replace if necessary. Apply silicone sealant to small gaps if needed.
Rust spots appearing on the frame.	Damage to the protective coating; prolonged exposure to moisture.	Clean the affected area, sand lightly to remove rust, and apply a rust-inhibiting primer and paint.
Difficulty during assembly.	Incorrect part orientation; missing parts; insufficient tools.	Refer to the detailed assembly guide and diagrams. Double-check part labels. Ensure all necessary tools are available. Contact customer support for missing parts.

9. WARRANTY AND CUSTOMER SUPPORT

EASYHAWK is committed to providing high-quality products and excellent customer service.

9.1 Warranty Information

Specific warranty details for your EASYHAWK Metal Carport are provided with your purchase documentation. Generally, EASYHAWK products are covered against manufacturing defects. Please retain your proof of purchase for warranty claims.

Note: Damage resulting from improper assembly, neglect, extreme weather events beyond design

specifications, or unauthorized modifications may not be covered under warranty.

9.2 Customer Support

For assembly guidance, missing parts, technical inquiries, or warranty claims, please contact EASYHAWK customer support. Our dedicated team of technical experts and customer care specialists are ready to assist you.

Refer to your purchase documentation or the EASYHAWK official website for current contact information.

"Rest assured with our dedicated team of technical experts and customer care specialists, ready to assist you anytime with assembly guidance or product inquiries for complete peace of mind throughout your ownership experience."