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## Sojag 448-9163018

# Sojag Charleston 12' x 18' Aluminum Solarium Sunroom Instruction Manual

Model: 448-9163018

## 1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your Sojag Charleston 12' x 18' Aluminum Solarium Sunroom. Designed to enhance your outdoor living space, this solarium features a robust aluminum frame and galvanized-steel roof panels. Please read all instructions carefully before beginning assembly and retain this manual for future reference.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING:** Failure to follow these safety guidelines may result in injury or damage to the product.

- Ensure the solarium is assembled on a stable and level surface.
- Remove any accumulation of snow from the roof to prevent structural damage.
- Follow the assembly instructions carefully to avoid potential hazards.
- Do not exceed the weight limit of the structure.
- Keep children and pets away from the assembly area.
- Wear appropriate safety gear, such as gloves and eye protection, during assembly.

## 3. PRODUCT FEATURES

- **Protective Coating:** AkzoNobel's Interpon powder coating provides maximum scratch and corrosion resistance.
- **Reinforced Construction:** Frame features an extruded aluminum design that produces enhanced durability.
- **Durable Roof:** The galvanized steel panels provide maximum protection from the elements.
- **Additional Stability:** This premium model features a wide diameter structure that provides additional durability and protection from the elements.
- **Four Season Use:** Screened 3-position PVC sliding windows provide ultimate protection from the elements.

## 4. SETUP AND INSTALLATION

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Assembly of the Sojag Charleston Solarium requires careful attention to detail. It is recommended to have at least two people for assembly. Refer to the detailed diagrams and instructions provided in the physical manual included with your product. The following visual aids can supplement the written instructions.



*Figure 4.1: The Sojag Charleston Solarium, showcasing its design and integration into an outdoor space.*



Figure 4.2: Interior view of the solarium, demonstrating ample space for furniture and clear views through the windows.

## 4.1. General Assembly Tips

- Unpack all components and verify against the parts list before starting.
- Organize parts by type and size to streamline the assembly process.
- Pay close attention to the orientation of parts, especially when attaching frames and panels. Incorrect orientation is a common cause of reassembly.
- Do not overtighten screws until instructed, as some flexibility may be needed during initial alignment.
- For roof panel installation, ensure panels are correctly seated in grooves to prevent leaks.

## 4.2. Visual Installation Guides

The following videos provide visual guidance for sunroom installation. While specific models may vary, the general principles and steps demonstrated are applicable.

Your browser does not support the video tag.

*Video 4.1: Installation Steps for a Sunroom. This video demonstrates the general assembly process for a sunroom structure, including frame setup and panel installation. Note that specific parts and dimensions may differ from your Sojag Charleston model.*

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*Video 4.2: Sunroom Showcase and Assembly Overview. This video provides a visual overview of a sunroom, including some assembly aspects. It can help visualize the completed structure and key components.*

### 4.3. Anchoring the Solarium

Securely anchor the solarium to your deck or concrete slab using the provided screws and shields. This is critical for stability and safety, especially in windy conditions.



*Figure 4.3: Detail of the robust aluminum frame, highlighting its structural integrity.*

## 5. OPERATING INSTRUCTIONS

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### 5.1. Sliding Windows and Doors

The solarium features 3-position PVC sliding windows and sliding doors for adjustable ventilation and access. To operate, gently slide the panels along their tracks. Ensure tracks are clear of debris for smooth operation.



*Figure 5.1: Close-up of the sliding window mechanism, showing the screen and PVC panels.*

## 5.2. Mosquito Net

The integrated mosquito net provides protection from insects while allowing airflow. Slide the net panels into position as needed. The double-track system allows for simultaneous use of mosquito netting and curtains (curtains sold separately).

## 6. MAINTENANCE

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- **Cleaning:** Clean the aluminum frame and PVC panels with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Roof Care:** Regularly inspect the galvanized steel roof panels for any debris or damage. In snowy regions, promptly remove snow accumulation from the roof to prevent excessive weight and potential collapse.
- **Track Maintenance:** Keep the sliding tracks for windows and doors clean and free of dirt, leaves, or other obstructions to ensure smooth operation. Lubricate tracks with a silicone-based spray if needed.
- **Fasteners:** Periodically check all screws and bolts for tightness and re-tighten as necessary.

## 7. TROUBLESHOOTING

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- **Difficulty with Assembly:** The manual relies heavily on illustrations. Review diagrams carefully, paying attention to hole orientation. If parts seem misaligned, double-check the step and ensure no paint or debris is obstructing joints. Needle-nosed pliers may help straighten minor warps.
- **Water Leaks:** Inspect roof panel seams and window seals. Apply silicone sealant (not supplied) to any areas where water may be penetrating, especially around window bases and where the solarium meets an existing structure. Ensure roof panels are correctly installed and overlapping as designed.
- **Frozen Doors/Windows:** In cold weather, water can accumulate and freeze in door tracks. Regularly clear tracks of snow and ice. A hairdryer can be used to melt ice if a door becomes frozen shut.
- **Wind Damage:** Ensure the solarium is securely anchored to the ground or deck. If experiencing high winds, consider additional bracing or temporary removal of panels if possible (refer to product specifications for wind resistance).

## 8. SPECIFICATIONS

Attribute	Detail
Brand	Sojag
Model Number	448-9163018
Material	Aluminum frame, Galvanized Steel roof panels, PVC windows
Style	Freestanding Solarium
Product Dimensions	216"L x 144"W x 108"H (18'L x 12'W x 9'H)
Floor Area	216 Square Feet
Color	Charcoal
Water Resistance Level	Waterproof
Ultraviolet Light Protection	True
Assembly Required	Yes

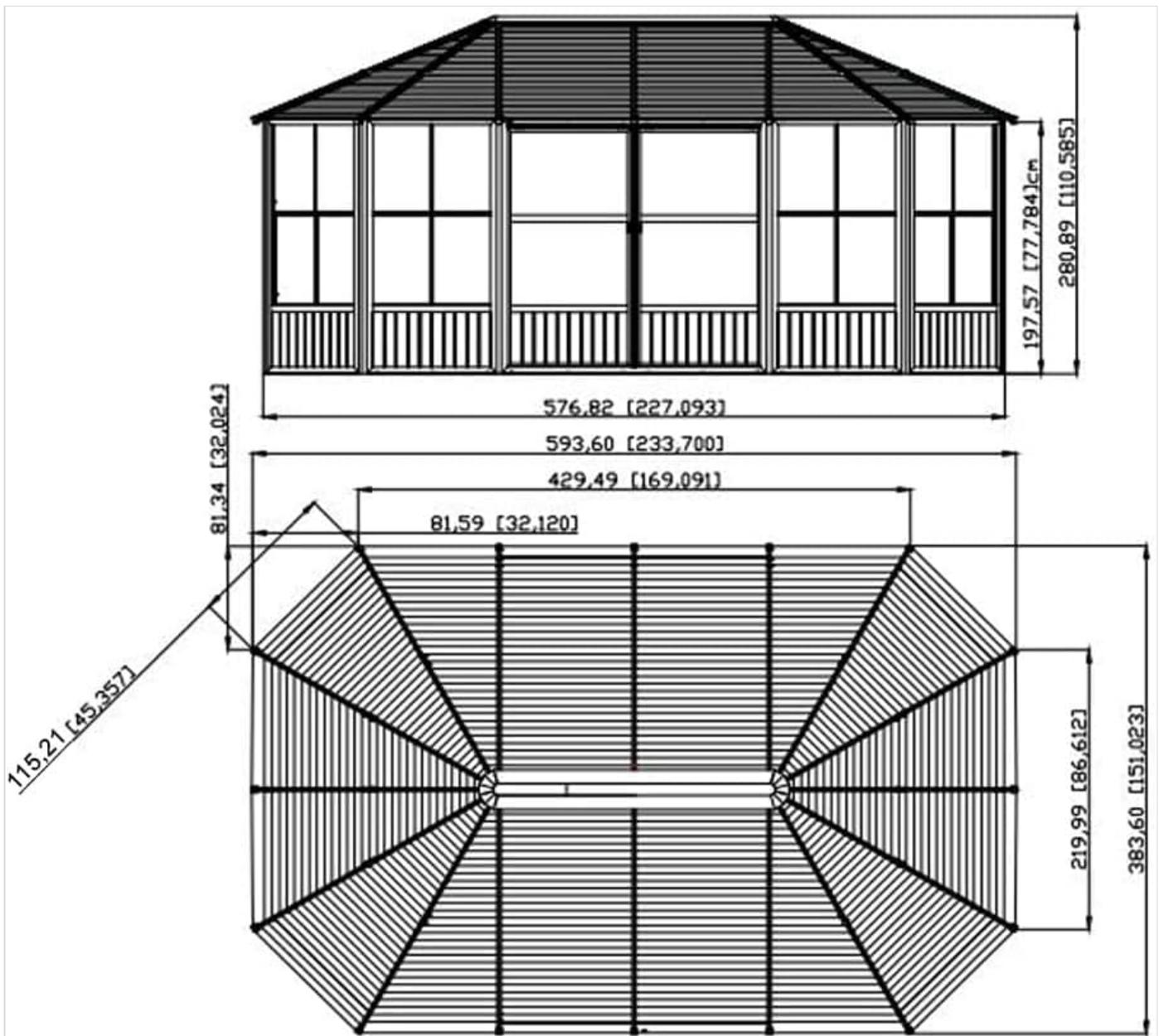


Figure 8.1: Detailed dimensions and layout of the Sojag Charleston Solarium.

## 9. WARRANTY AND SUPPORT

For specific warranty details, please refer to the documentation included with your purchase or contact Sojag customer support directly. For assistance with assembly, parts, or general inquiries, please reach out to the manufacturer's customer support channels. Information regarding customer support can often be found on the product packaging or the manufacturer's official website.