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> COXSENI Solar RV Porch Lights (2 Pack) - Model YH0609 Instruction Manual

## COXSENI YH0609

# COXSENI Solar RV Porch Lights (2 Pack) - Model YH0609 Instruction Manual

Your Guide to Installation, Operation, and Maintenance

## 1. PRODUCT OVERVIEW

The COXSENI Solar RV Porch Lights are designed to provide efficient and reliable outdoor lighting for your RV, motorhome, camper, trailer, or other outdoor spaces. Featuring a high-efficiency solar panel, a 2200mAh battery, and a PIR motion sensor, these lights offer three distinct operating modes and are built with IP65 waterproof durability for all-weather performance.

Each package includes two solar lights, six screws, and one handbook.



Image 1.1: COXSENI Solar RV Porch Lights installed on an RV.

## 2. SETUP AND INSTALLATION

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Follow these steps for proper installation of your solar RV porch lights:

1. **Choose a Location:** Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging of the solar panel. The light should be mounted at a height where the motion sensor can effectively detect movement.
2. **Mark Drill Points:** Use the light fixture as a template to mark three drill points on the mounting surface.
3. **Drill Holes:** Drill three holes at the marked points using an appropriate drill bit.
4. **Insert Anchors:** Insert the provided plastic anchors into the drilled holes.
5. **Mount the Light:** Align the light with the anchors and secure it using the provided screws. Ensure the light is firmly attached to the surface.



Image 2.1: Step-by-step installation guide for the solar lights.

### 3. OPERATING INSTRUCTIONS

The COXSENI Solar RV Porch Lights feature a PIR motion sensor and three selectable lighting modes. The light automatically turns on at dusk and off at dawn.

#### 3.1 Mode Selection

Press the control button on the light to cycle through the following modes:

- **Mode 1: Motion Sensor + Dim Light Mode**  
The light stays at a dim brightness (approximately 40 lumens) when no motion is detected. Upon detecting motion, it brightens to 450 lumens for 37 seconds, then returns to dim light if no further motion is detected.
- **Mode 2: Motion Sensor Mode**  
The light remains off when no motion is detected. Upon detecting motion, it illuminates at 600 lumens for 37 seconds, then turns off if no further motion is detected.
- **Mode 3: Always On Mode**  
The light stays on continuously at a constant brightness (approximately 80 lumens) after activation. This mode is suitable for consistent ambient lighting.

Image 3.1: Visual representation of the three lighting modes.

#### 3.2 Motion Sensor Functionality

The integrated PIR motion sensor detects movement up to 16.4 feet (5 meters) away within a 120° sensing angle. This ensures that the light activates promptly when needed, enhancing safety and convenience.

Image 3.2: Motion sensor detection range and angle.

### 4. MAINTENANCE

To ensure optimal performance and longevity of your solar RV porch lights, consider the following maintenance tips:

- **Solar Panel Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures maximum sunlight absorption and charging efficiency.
- **Battery Care:** The lights are equipped with a 2200mAh lithium battery. While designed for durability, consistent exposure to direct sunlight is crucial for maintaining battery health and charge capacity.
- **Environmental Protection:** The IP65 waterproof rating protects the lights from rain, snow, and splashes. However, avoid submerging the unit in water.

Image 4.1: IP65 waterproof rating for all-weather suitability.

## 5. TROUBLESHOOTING

If you encounter issues with your COXSENI Solar RV Porch Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel to remove any obstructions.
Motion sensor not activating.	Sensor obstructed or incorrect mode.	Clear any obstructions from the sensor. Ensure the light is in Motion Sensor Mode (Mode 1 or 2).
Light stays dim or turns off too quickly.	Low battery charge or incorrect mode.	Allow the light to charge fully in direct sunlight. Verify the selected operating mode.
Light flickers.	Low battery or environmental interference.	Ensure adequate charging. Check for strong light sources nearby that might interfere with the sensor.

## 6. SPECIFICATIONS

Detailed technical specifications for the COXSENI Solar RV Porch Lights (Model YH0609):

**Brand:** COXSENI

**Model Number:** YH0609

**Product Dimensions:** 6.3"L x 4.3"W x 3.2"H

**Item Weight:** 1.85 pounds (0.84 Kilograms)

**Material:** Acrylonitrile Butadiene Styrene, Alloy Steel

**Color:** Gray

**Power Source:** Solar Powered

**Solar Panel:** 5V/1.5W Tempered Glass (up to 30% conversion efficiency)

**Battery:** 2200mAh Lithium Battery (1 AA battery required, included)

**Light Source Type:** LED (21 super-bright LED beads)

**Light Color:** Cool White

**Color Temperature:** 6500 Kelvin

**Brightness:** Up to 600 Lumens

**Motion Sensor:** PIR (Passive Infrared)

**Sensing Angle:** 120°

**Induction Range:** 16.4 feet (5 meters)

**Water Resistance Level:** IP65 Waterproof

**Control Method:** Push Button

**Installation Type:** Semi Flush Mount

**Included Components:** 2x Solar Lights, 6x Screws, 1x Handbook

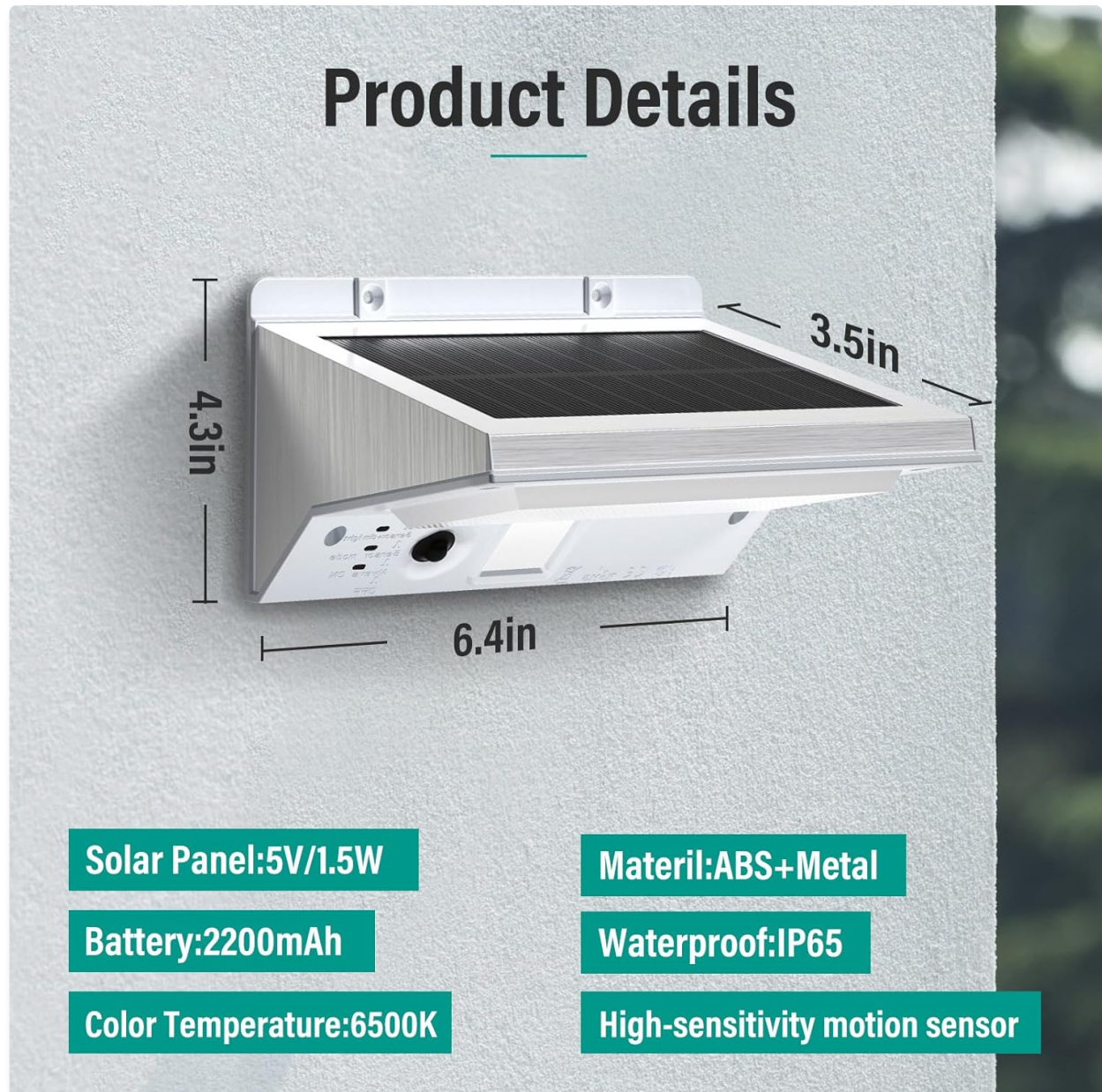


Image 6.1: Product dimensions and key specifications.

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

This product comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims.

### 7.2 Customer Support

For any questions, technical assistance, or warranty inquiries, please contact COXSENI customer support. Refer to the contact information provided with your purchase documentation or visit the official COXSENI website for support resources.