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› JACKYLED Motion Solar Lights Outdoor Instruction Manual (Model JK113LEDseparatesolarlightsP2-us)

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JACKYLED Motion Solar Lights Outdoor Instruction Manual

Model: JK113LEDseparatesolarlightsP2-us

INTRODUCTION

Thank you for choosing the JACKYLED Motion Solar Lights Outdoor. This manual provides detailed instructions for the installation, operation, and maintenance of your solar-powered security lights. Designed for outdoor use, these lights feature 113 bright LEDs, a sensitive motion sensor, and a separate solar panel for optimal sunlight exposure. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

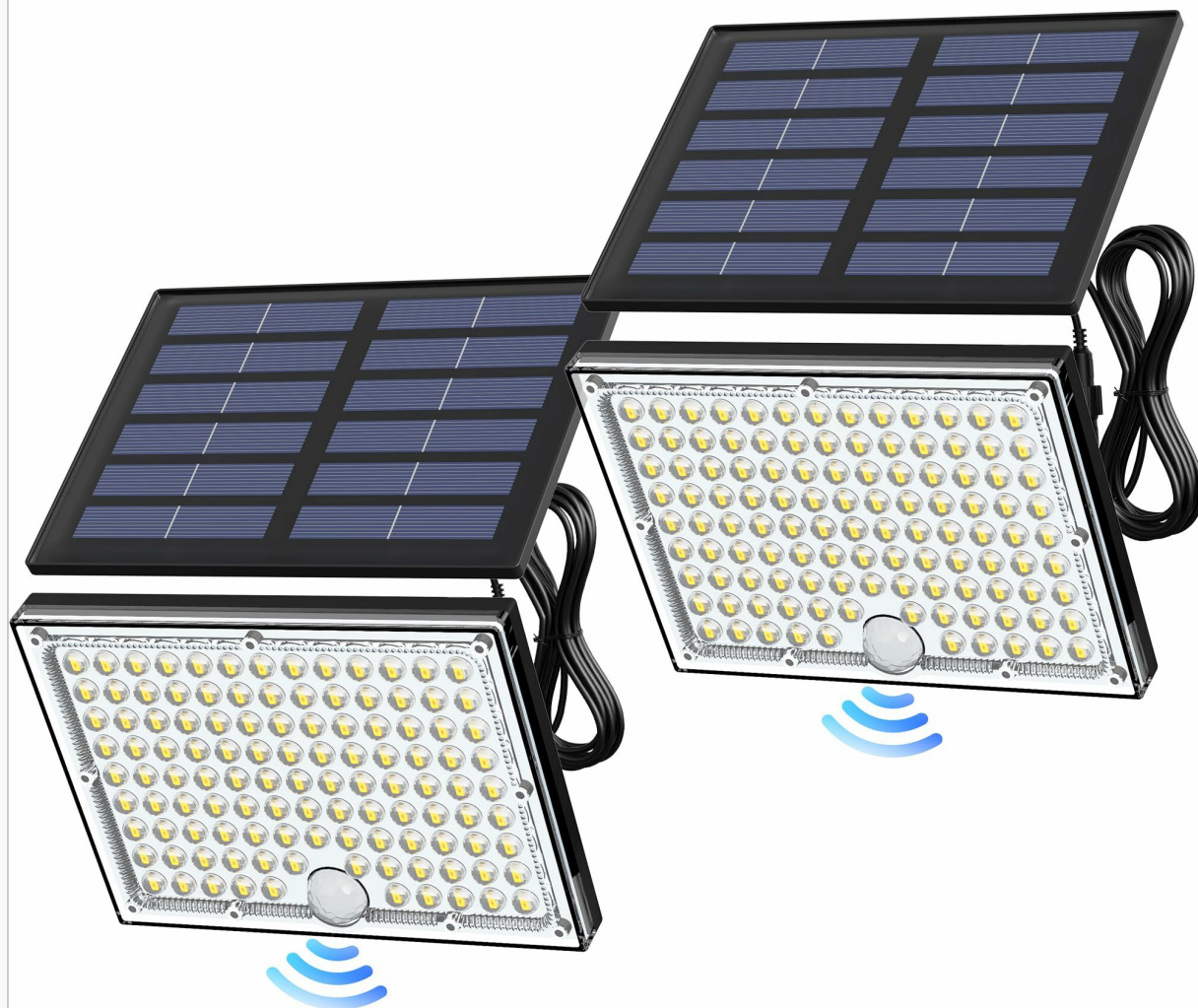


Image: Overview of the JACKYLED Motion Solar Lights Outdoor unit.

WHAT'S IN THE BOX

The package for your JACKYLED Motion Solar Lights Outdoor (2 Pack Flat) includes the following components:

- 2 x LED Light Units with Motion Sensors
- 2 x Separate Solar Panels
- 2 x 16.4 ft (5m) Connection Cables
- Mounting Screws and Anchors
- User Manual

PRODUCT FEATURES

- **Efficient Solar Charging:** Equipped with a wider polycrystalline solar panel for faster charging, providing 10-15 hours of illumination on a full charge.
- **Bright Illumination:** Features 113 LEDs with convex optical lenses for a brighter, more concentrated cool white light distribution.
- **Three Adjustable Modes:** Easily switch between motion-sensing, constant low light, and dim-to-

bright modes.

- **Separate Installation:** The solar panel and light unit can be installed separately, connected by a 16.4 ft cable for flexible placement and optimal sun exposure.
- **Sensitive Motion Sensor:** A 120° motion sensor detects movement up to 23 ft away, activating the light when needed.
- **Durable and Waterproof:** IP65 waterproof rating ensures reliable performance in various outdoor weather conditions, including rain and snow.

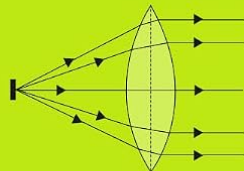
113 Lens-Focused LEDs

Uniform Light Rays Shine Brighter&Longer



Convex Lens:

Concentrated light,
travels longer distance



Plastic Cover :

Scattered light,
fades quickly

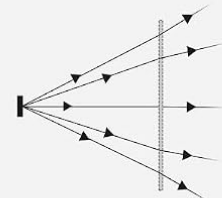


Image: Close-up view of the 113 lens-focused LEDs, illustrating how convex lenses provide concentrated light compared to plastic covers.

IP65 Waterproof

Reliable Outdoor Performance All Year Round




Heat
Resistant


Snow
Resistant


Rain
Waterproof

Image: The light unit shown in rainy conditions, highlighting its IP65 waterproof, heat-resistant, and snow-resistant features.

SETUP AND INSTALLATION

The JACKYLED Motion Solar Lights are designed for easy installation. The separate solar panel and light unit allow for flexible placement to maximize solar charging and light coverage.

1. **Choose Location:** Select a location for the light unit that provides the desired illumination. For the solar panel, choose a spot that receives direct sunlight for at least 6-8 hours daily. Avoid shaded areas or locations under other light sources that might interfere with the dusk-to-dawn sensor.
2. **Mounting the Light Unit:** Use the provided screws and anchors to securely mount the light unit to a wall, eave, pole, or other suitable outdoor surface.

3. **Mounting the Solar Panel:** Mount the solar panel in your chosen sunny location. Ensure it is positioned to face the sun directly for maximum efficiency.
4. **Connect the Cable:** Connect the 16.4 ft (5m) cable from the solar panel to the light unit. Ensure the connection is secure.
5. **Initial Charge:** Before first use, turn on the switch on the light unit and place the solar panel under direct sunlight for approximately 1 day to ensure a full initial charge.

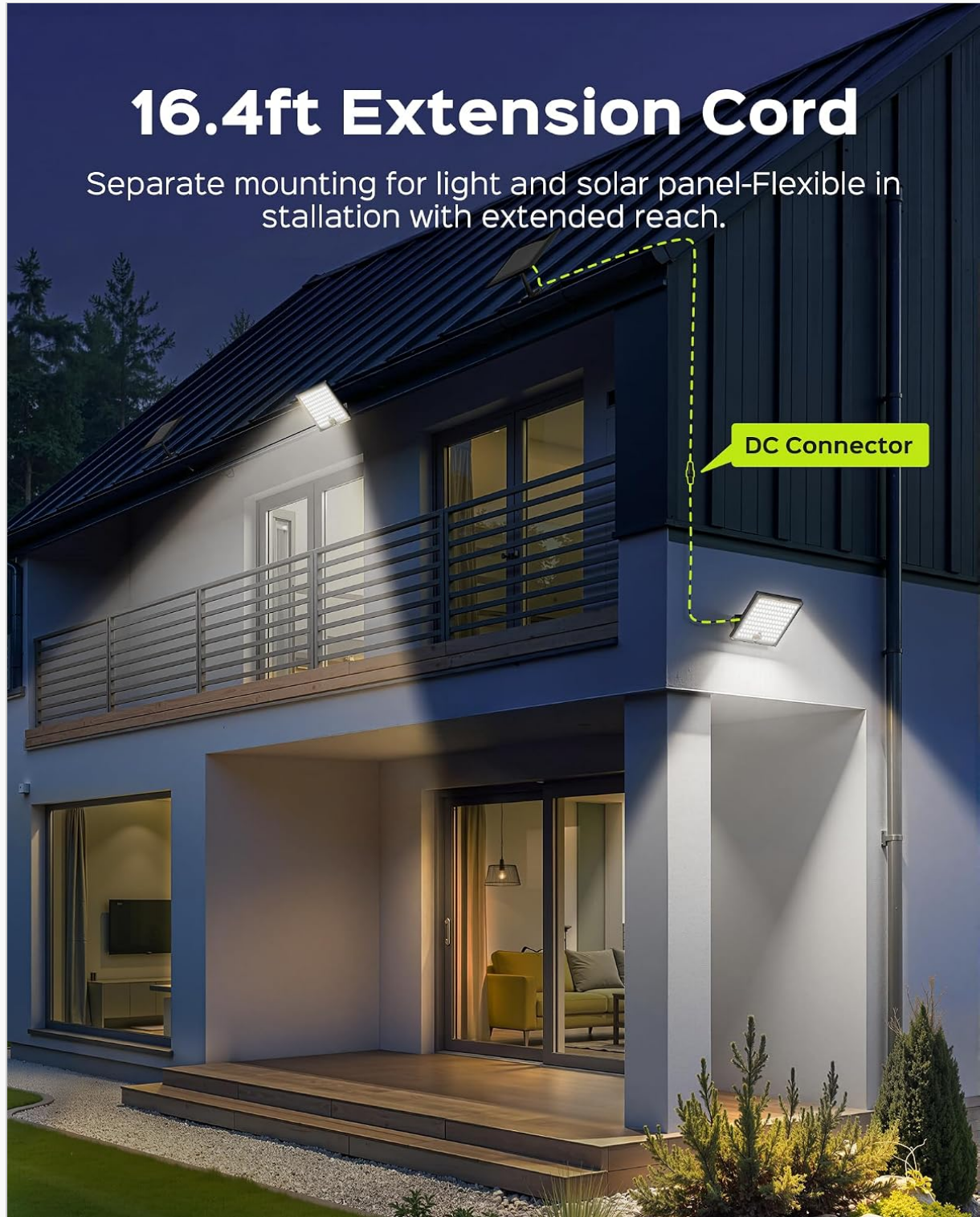


Image: Illustration of the solar light and panel installed separately on a house, connected by the 16.4ft extension cord, allowing for flexible placement.



Image: Demonstrates the simple two-step installation process using the innovative slide-in mounting bracket.



Image: Visual guide on proper solar panel placement, emphasizing direct sunlight exposure and avoiding shade or other light sources.

OPERATING INSTRUCTIONS

Your JACKYLED solar lights feature three distinct operating modes. Use the button on the light unit to cycle through these modes:

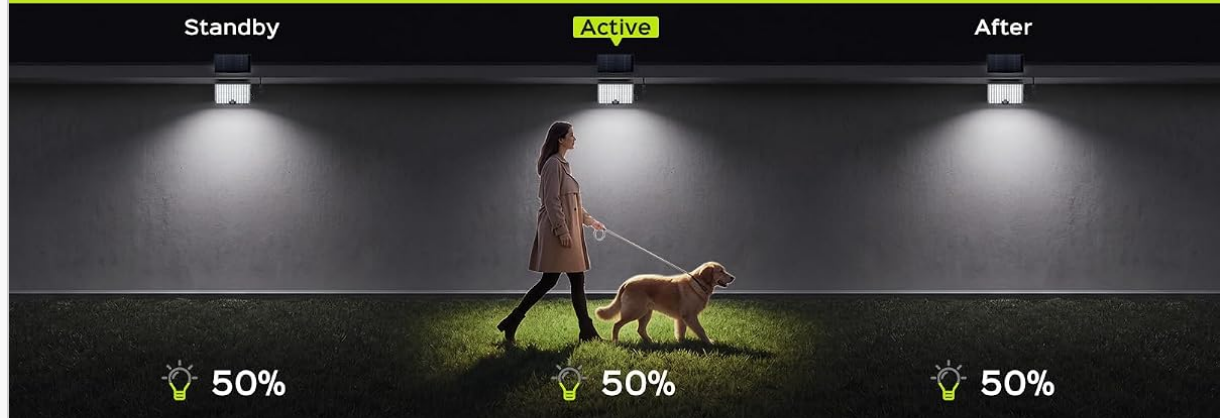
- Mode 1: Strong Light Motion Sensor Mode**
 The light remains OFF until motion is detected. When motion is sensed, the light turns ON at 100% brightness for 20 seconds, then turns OFF.
- Mode 2: Always ON Low Light Mode**
 The light stays ON constantly from dusk to dawn at 10% brightness, regardless of motion.
- Mode 3: Dim Light Motion Sensor Mode**
 The light stays ON at 3% brightness. When motion is detected, it brightens to 100% for 20 seconds, then returns to 3% brightness.

Important Note: The solar light only operates in darkness or at night. During the day, when the solar panel is illuminated, the light will not turn on. To test if the light is functioning, cover the solar panel after turning on the power switch.

Mode 1: Strong Light Motion sensor Mode



Mode 2: Always ON Low Light Mode



Mode 3: Dim Light Motion sensor Mode



Image: Depicts the three lighting modes (Strong Light Motion Sensor, Always ON Low Light, Dim Light Motion Sensor) with visual examples of their behavior.

HELPFUL TIPS FOR SOLAR LIGHTS

- **Only ON in Darkness:** The solar light only turns on in darkness or at night, when the solar panel is illuminated, the light won't turn on. To test if the light turns on, please cover the solar panel after turning on the power switch.
- **Initial Solar Charge:** Before using the solar light for the first time, turn on the switch and ensure it is placed under direct sunlight for approximately 1 day.

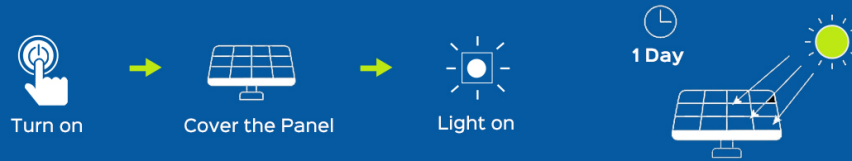


Image: Provides helpful tips for solar lights, including how to test the light and the importance of initial solar charging.

MAINTENANCE

To ensure optimal performance and extend the lifespan of your solar lights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Connections:** Periodically inspect the connection cable between the solar panel and the light unit to ensure it is secure and free from damage.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing tree branches, new structures) are shading the solar panel's location.
- **Battery Care:** While the battery is designed for long life, extreme temperatures can affect its performance. If storing the lights for an extended period, ensure they are fully charged and stored in a cool, dry place.

TROUBLESHOOTING

If your JACKYLED Motion Solar Lights are not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure solar panel is in direct sunlight for 6-8 hours. Clean the solar panel.
	Solar panel is in a shaded area.	Relocate the solar panel to an area with maximum direct sunlight.
	Switch is OFF.	Ensure the power switch on the light unit is ON.
	Sensor interference.	Ensure no other strong light sources (streetlights, other floodlights) are near the solar panel, as this can prevent the light from activating.

Problem	Possible Cause	Solution
Motion sensor is not detecting movement.	Obstruction in sensor's path.	Clear any objects blocking the motion sensor.
	Sensor range issues.	Ensure movement occurs within the 120° detection angle and up to 23 ft range.
Light is dim or runtime is short.	Insufficient charging.	Refer to solutions for "Light does not turn on at night."
	Battery degradation.	Over time, rechargeable batteries may lose capacity. Consider replacing the unit if performance significantly degrades after several years.

SPECIFICATIONS

Feature	Detail
Brand	JACKYLED
Model Number	JK113LEDseparatesolarlightsP2-us
Light Source	113 LED
Light Color	Cool White (5000 Kelvin)
Brightness	1100 Lumens (Maximum)
Wattage	7.4 Watt-hours
Voltage	3.7 Volts
Motion Sensor Angle	120°
Motion Sensor Distance	Up to 23 ft
Solar Panel Cable Length	16.4 ft (5m)
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene
Item Dimensions (L x W x H)	5.9"L x 0.6"W x 4.3"H
Item Weight	1.4 Pounds
Power Source	Solar Powered
Control Method	Push Button

WARRANTY

The JACKYLED Motion Solar Lights Outdoor come with a **1-year manufacturer's warranty**. This warranty

covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific details regarding warranty coverage and claims, refer to the product packaging or contact customer support.

SUPPORT

For any questions, technical assistance, or support regarding your JACKYLED Motion Solar Lights Outdoor, please contact the manufacturer directly. You can typically find contact information on the product packaging, the official JACKYLED website, or through the retailer where the product was purchased. When contacting support, please have your product model number (JK113LEDseparatesolarlightsP2-us) and proof of purchase readily available.