Aigostar AL-TYNBDD65-P

Aigostar Solar Outdoor Lights with Motion Sensor Instruction Manual

Model: AL-TYNBDD65-P

1. PRODUCT OVERVIEW

The Aigostar Solar Outdoor Lights are designed to provide efficient and reliable illumination for various outdoor spaces. These lights feature high-quality LEDs, a wide illumination angle, and a sensitive motion sensor, all powered by solar energy.

- **High Brightness & Wide Illumination:** Equipped with high-quality LEDs, offering powerful light with 3 illumination surfaces and a 270° angle for extensive coverage.
- **Sensitive Motion Sensor:** Features a 120° detection angle and a 6-8 meter range for detecting movement.
- **Three Lighting Modes:** Adaptable lighting with constant dim light, strong light activated by motion, and no light with strong light activated by motion.
- **Energy Efficient:** Integrated 1200mAh rechargeable lithium battery and a solar panel with over 23% efficiency, providing prolonged night illumination with zero electricity costs.
- **Durable & Weatherproof:** IP65 waterproof rating and constructed from heat-resistant ABS material, ensuring optimal performance in various weather conditions.
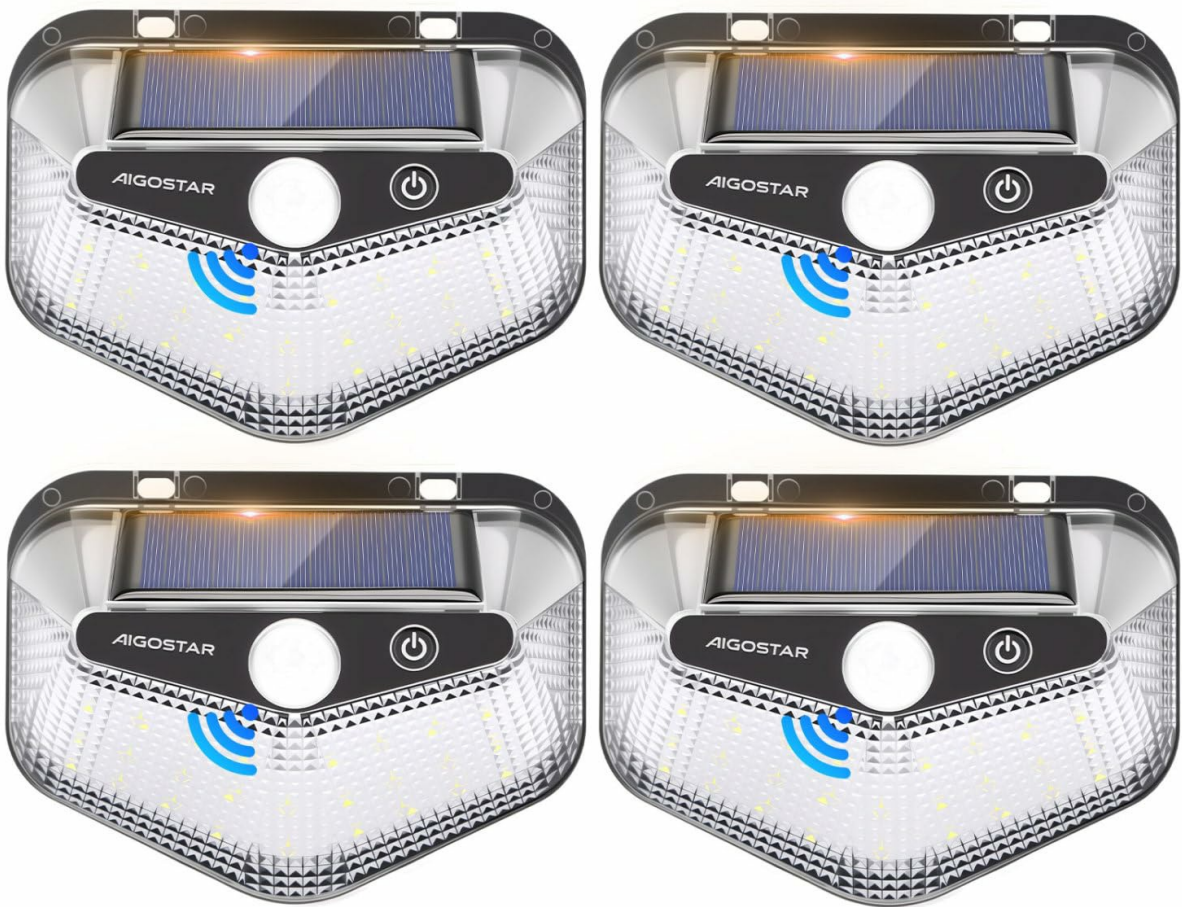
Image 1.1: Overview of the Aigostar Solar Outdoor Light.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble or modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from fire or high temperatures.
- Ensure the installation surface is stable and can support the weight of the light.
- Dispose of batteries and electronic components according to local regulations.
- Avoid direct eye exposure to the LED light source.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- Aigostar Solar Outdoor Lights (4 units)

- Mounting Screws and Wall Plugs
- User Manual

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your solar outdoor lights.

1. **Choose Location:** Select an outdoor location that receives ample direct sunlight for at least 6-8 hours daily to ensure optimal charging. The recommended installation height is between 2 and 2.8 meters.
2. **Prepare the Light:** Before first use, remove the protective film from the solar panel.
3. **Mount the Light:** Use the provided screws and wall plugs to securely fix the solar light to a wall or desired surface.
4. **Initial Charge & Activation:** Press the power button to activate the light and select a mode. For the first use, allow the light to charge for 24 hours under direct sunlight to ensure the battery is fully conditioned.

Image 4.1: Installation steps and dimensions (135mm width, 101mm height, 52mm depth).

Image 4.2: Illustration of wide illumination area and motion sensor range (6-8m detection, 2-2.8m mounting height).

5. OPERATING INSTRUCTIONS

The solar light features three operating modes, which can be selected by long-pressing the power button located on the front of the unit.

- **Mode 1 (Constant Dim Light):** The light will stay on at a dim level throughout the night and turn off automatically during the day. Press the power button once to activate.

- **Mode 2 (Dim Light + Motion Sensor):** The light will maintain a dim illumination at night. Upon detecting motion, it will switch to strong light for 30 seconds, then return to dim light. Press the power button twice to activate.

- **Mode 3 (No Light + Motion Sensor):** The light will remain off at night. Upon detecting motion, it will switch to strong light for 30 seconds, then turn off again. Press the power button three times to activate.

Image 5.1: Visual representation of the three lighting modes.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your solar lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Mounting:** Occasionally inspect the mounting screws and ensure the light is securely attached to the wall.
- **Battery Care:** The integrated lithium battery is designed for long-term use. Avoid prolonged storage in a completely discharged state.

7. TROUBLESHOOTING

If you encounter issues with your solar outdoor lights, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient charging; Protective film not removed; Incorrect mode selected.	Ensure the solar panel receives 6-8 hours of direct sunlight daily. Remove any protective film. Long-press the power button to cycle through modes and select the desired one.
Light is dim or runs for a short period.	Solar panel is dirty; Insufficient charging; Battery degradation.	Clean the solar panel. Relocate the light to an area with more direct sunlight. If the issue persists after prolonged use, the battery may need replacement (contact support).
Motion sensor is not detecting movement.	Sensor obstructed; Incorrect mode selected; Sensor range issues.	Ensure the sensor is clear of obstructions. Verify that Mode 2 or Mode 3 is selected. Check installation height (2-2.8m) and ensure movement is within the 6-8m range.

8. SPECIFICATIONS

Detailed technical specifications for the Aigostar Solar Outdoor Lights.

- **Brand:** Aigostar
- **Model Number:** AL-TYNBDD65-P
- **Product Dimensions:** 13.5 x 10.1 x 5.2 cm
- **Product Weight:** 600 g
- **Material:** Plastic (ABS)
- **Color:** Black and White
- **Power Source:** Solar Energy
- **Battery:** 1200mAh Rechargeable Lithium Battery
- **Solar Panel Efficiency:** >23%
- **Bulb Type:** LED
- **Number of Lights in Pack:** 4
- **Luminous Flux:** 2000 lumen
- **Electrical Power:** 20 watts
- **Color Temperature:** 6500 Kelvin
- **Illumination Angle:** 270°
- **Motion Sensor Detection Angle:** 120°
- **Motion Sensor Detection Range:** 6-8 meters
- **Waterproof Rating:** IP65
- **Specific Uses:** Garage, Garden, Patio
- **Country of Origin:** China

Image 8.1: IP65 waterproof and resistance to heat and cold.

Image 8.2: Efficient solar panel with over 23% conversion rate and charging indicator.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Aigostar website. You may also contact the retailer where the product was purchased for assistance.

- **Manufacturer:** Aigostar
- **Contact:** Refer to Aigostar's official website for contact details.