hardoll SSL-ABS-600W

Hardoll 600W Solar Street Light Instruction Manual

Model: SSL-ABS-600W | Brand: hardoll

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your hardoll 600W All-in-One Solar Street Light. This solar-powered LED lamp is designed for outdoor use, featuring motion sensing, remote control, and a replaceable battery for efficient and reliable illumination in various settings such as homes, gardens, and streets.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x Solar Street Light
- 1x Lamp Arm & Bracket
- 1x Remote Control
- 1x Remote Control Battery
- 1x User Manual
- Anchor bolts
- Hex Bolts & Nuts

PACKAGE CONTENT

1. Lamp

2. Lamp Arm & Bracket

3. Remote

4. Battery (Remote)

5. User Manual

6. Anchor bolts

7. Hex Bolts & Nuts

290mm

780mm

Lamp Arm and Bracket

Lamp

hardoll

SOLAR
STREET LIGHT

Remote Controller

Anchor Bolts

Hex Bolts & Nuts

User Manual

Remote Battery

Figure 1: Included Package Contents

INSTALLATION

Mounting the Solar Street Light

The hardoll 600W Solar Street Light is designed for flush mount installation on a pole or wall. Follow these steps for secure mounting:

1. **Attach Lamp Arm:** Securely connect the lamp arm to the solar street light unit using the provided bolts and nuts.

2. **Prepare Mounting Surface:** Drill appropriate holes in the desired mounting location (wall or pole) for the anchor bolts.

3. **Mount Bracket:** Fasten the lamp arm bracket to the prepared surface using the anchor bolts and hex nuts, ensuring it is stable and level.

4. **Secure Light Unit:** Slide the light unit with the attached arm onto the mounted bracket and secure it firmly with

the remaining bolts and nuts.

Figure 2: Easy Installation Steps

Optimal Solar Panel Placement

For maximum charging efficiency and performance, consider the following:

- **Direct Sunlight:** Install the light in a location that receives 6-8 hours of direct sunlight daily.
- **Avoid Shade:** Ensure no trees, buildings, or other obstructions shade the solar panel, especially during peak sunlight hours.
- **Initial Charge:** For optimal performance, it is recommended to place the lamp in direct sunlight for 2 days before its first use.
- **Testing:** To test the lights during the day, cover the solar panels with your hand or a non-transparent object.
- **Street Light Interference:** Avoid installing the light beneath utility or street lights, as the light falling on the solar panel can confuse the system, causing the lamp to remain off, mistakenly perceiving it as daytime.
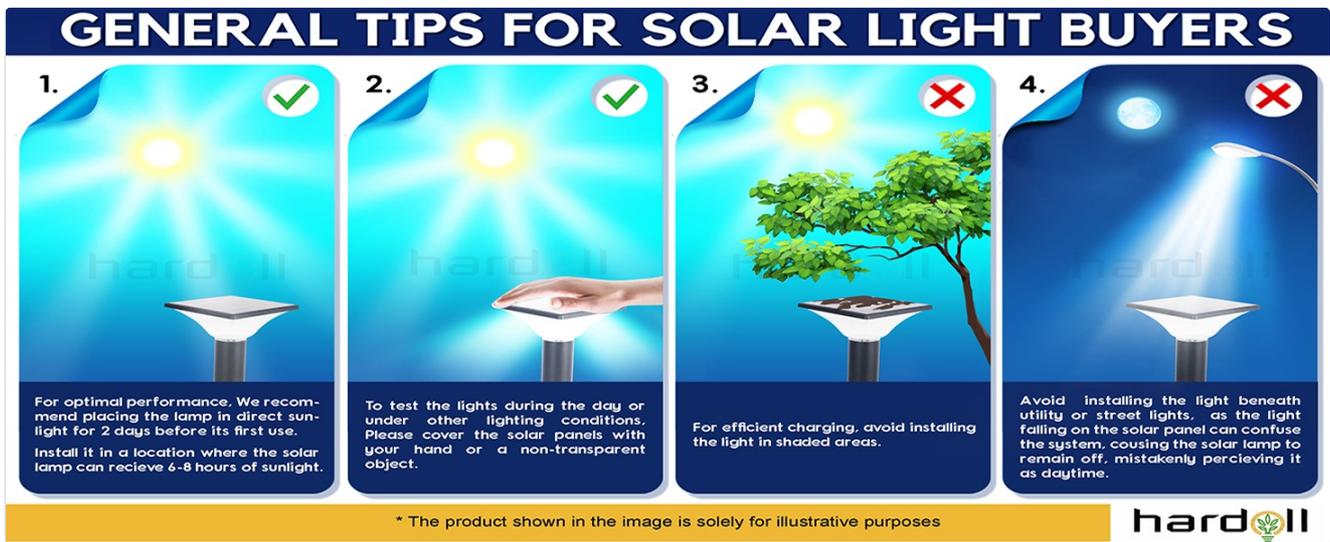
Figure 3: General Tips for Solar Light Placement

OPERATION

Automatic Functionality

The hardoll Solar Street Light is equipped with an automatic light sensor. It will automatically turn on when it becomes dark and turn off when it becomes light, conserving energy and ensuring illumination only when needed.

Remote Control Functions

Use the provided remote control to manage various settings and lighting modes:

Figure 4: Remote Control Layout and Functions

- **ON/OFF:** Press to turn the light on or off manually.
- **100% Brightness:** Sets the light to full brightness.
- **50% Brightness:** Sets the light to half brightness.
- **Increase/Decrease Brightness:** Adjusts the light intensity.
- **AUTO (Radar Mode for all Night):** Activates motion sensor mode, where the light illuminates at full brightness

upon detecting movement and dims when no motion is detected. This mode operates throughout the night.

- **Constant Lighting Mode:** Maintains a steady light output.
- **Switch to Radar Mode after 2/3 Hrs Constant Lighting:** Allows the light to operate in constant mode for a set duration (2 or 3 hours) before automatically switching to motion sensor (radar) mode.
- **Reset Button (RST):** For the first use or to change WiFi account, long press for more than 5 seconds (optional, if applicable to specific models).

MAINTENANCE

Battery Replacement

The hardoll 600W Solar Street Light features a replaceable 30000mAh 3.2V LiFePo4 battery. If the light's performance diminishes over time, the battery may need replacement. Consult the video below for detailed instructions on how to safely replace the battery.

> Your browser does not support the video tag. Please refer to the text instructions or contact support.

Video 1: Battery Replacement Guide. This video demonstrates the steps involved in replacing the internal battery of the Hardoll solar street light, including opening the unit, disconnecting the old battery, and installing a new one.

General Care

- **Clean Solar Panel:** Regularly clean the solar panel surface with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures optimal sunlight absorption and charging efficiency.
- **Inspect for Damage:** Periodically check the light fixture, mounting arm, and wiring for any signs of damage or wear. Address any issues promptly to maintain performance and safety.
- **Environmental Protection:** The light is IP65 rated for water and dust resistance. However, extreme weather conditions may require additional inspection.

TROUBLESHOOTING

If your hardoll Solar Street Light is not functioning as expected, please refer to the following common issues and solutions:

- **Light does not turn on at night:**
  - Ensure the solar panel is receiving adequate direct sunlight (6-8 hours daily) and is not obstructed by shade.
  - Verify the light is not installed under another light source (e.g., street light) that might prevent its automatic activation.
  - Check if the remote control battery is functional and the light is not manually turned off.
  - Allow for initial charging (2 days in direct sunlight) if it's the first use.
- **Light is dim or runs for a short duration:**
  - Clean the solar panel surface to remove any dirt or dust that may be hindering charging.

- Ensure the light is placed in an area with maximum direct sunlight exposure.
- The battery may be aging and require replacement (refer to the Battery Replacement section).

- **Remote control is not working:**

  - Replace the battery in the remote control.
  - Ensure there are no obstructions between the remote and the light's sensor.

SPECIFICATIONS

Feature	Detail
Brand	hardoll
Model Number	SSL-ABS-600W
Wattage	600 Watts (equivalent brightness)
Power Source	Solar Powered
Battery	30000mAh 3.2V LiFePo4 (Replaceable)
Solar Panel	4V/25W Monocrystalline Silicon
Light Source Type	LED (600 Pcs SMD2835)
Light Colour	Cool White
Lumen Output	8300 Lumens
Control Method	Remote, Motion Sensor (Microwave Radar)
Special Features	Energy Efficient, Water Resistant (IP65), Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	78L x 30W x 7.5H Centimeters
Item Weight	4.8 Kilograms
Installation Type	Flush Mount
Indoor/Outdoor Usage	Outdoor (Garden, Street, Home)

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your hardoll Solar Street Light, please contact Hardoll Enterprises LLP:

- **Customer Service Phone:** +91 9846 330 340

- **Email:** support@hardollenterprises.com

Please retain your purchase receipt for warranty claims.