

KINGHE KINGHE-BBW6P1

KINGHE Solar Street Light 600W (Model KINGHE-BBW6P1) Instruction Manual

Your guide to installation, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KINGHE Solar Street Light, model KINGHE-BBW6P1. Please read this manual thoroughly before use to ensure proper function and longevity of the product. This solar-powered light is designed for outdoor use, offering efficient illumination with minimal environmental impact.

2. SAFETY INFORMATION

- Observe all local electrical codes and safety regulations during installation.
- Ensure the solar panel receives direct sunlight for optimal charging. Avoid installing in shaded areas.
- Do not attempt to disassemble, modify, or repair the product yourself. Contact qualified personnel for service.
- Keep the product out of reach of children.
- Avoid looking directly into the light source when it is active, as it may cause eye strain.
- The product is designed for outdoor use and is IP66 waterproof. However, avoid submerging it in water.

3. PACKAGE CONTENTS

The KINGHE Solar Street Light package includes the following components:

- Solar Street Light Unit
- Mounting Bracket
- Remote Control
- Mounting Screws and Anchors
- User Manual (this document)



Image: The KINGHE Solar Street Light unit, remote control, mounting bracket, and hardware are shown. The light unit measures 34cm in length and 19.5cm in width, with a depth of 8cm.

4. PRODUCT OVERVIEW

The KINGHE Solar Street Light (Model KINGHE-BBW6P1) is an advanced outdoor lighting solution designed for efficiency and convenience. It integrates a high-efficiency solar panel, an 8000mAh large-capacity battery, and an IP66 waterproof rating for durability in various weather conditions. Key features include three intelligent operating modes, motion sensing, and remote control functionality. The 240-degree wide-angle design ensures broad and effective illumination for areas such as gardens, yards, parking lots, and pathways.



Image: A close-up view of the KINGHE Solar Street Light, highlighting its multiple LED panels and integrated solar panel on top. The light is shown against a city skyline at sunset.

Key Features:

- **High-Efficiency Solar Panel:** Achieves a photoelectric conversion efficiency of 26%, allowing for shorter charging times and longer operating duration, even in cloudy conditions.
- **IP66 Waterproof Rating:** Designed to withstand harsh weather, ensuring reliable outdoor performance.
- **8000mAh Large Capacity Battery:** Provides extended illumination, capable of long operating hours even in winter after a full charge.
- **Energy Saving:** Operates entirely on solar power, eliminating electricity costs and reducing environmental impact. Ideal for power outage preparedness.
- **Intelligent Light & Motion Sensors:** Automatic dusk-to-dawn operation and motion detection for adaptive brightness.
- **Remote Control:** Allows selection of various lighting modes and brightness levels.
- **240-Degree Wide Angle Design:** Provides a broad illumination range, covering approximately 1100-1300 square feet.

広角設計

より広い照明範囲

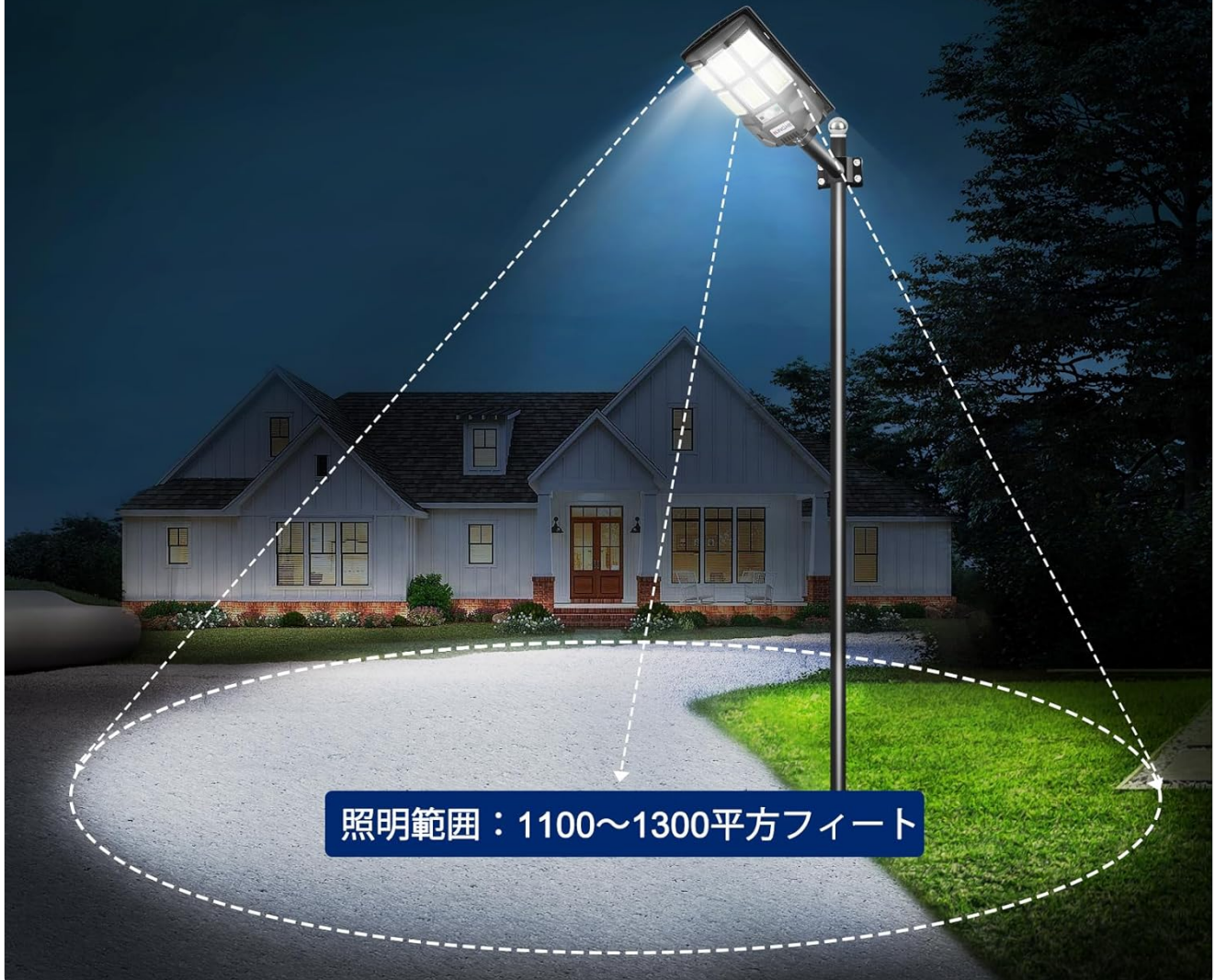


Image: A diagram illustrating the wide-angle illumination pattern of the KINGHE Solar Street Light, showing a broad coverage area of 1100-1300 square feet around a house and driveway.

[新しいデザイン]
240°広角設計

庭全体に暗い隅がないようにする



Image: A diagram highlighting the 240-degree wide-angle design of the KINGHE Solar Street Light, demonstrating its extensive coverage to eliminate dark spots in a yard where a person and child are walking.

240°広角設計

より広い照射範囲

240°



90°旧式设计

照射範囲が狭い

90°



新しいデザイン



旧式设计

Image: A side-by-side comparison showing the KINGHE Solar Street Light with its 240-degree wide-angle design on the left, offering a broader illumination range, versus an older 90-degree design on the right with a narrower range.

5. SETUP & INSTALLATION

Proper installation is crucial for the optimal performance of your solar street light. Follow these steps carefully:

- 1. Choose a Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily. Areas with consistent shade will significantly reduce the light's charging efficiency and operating time. Ensure there are no obstructions (e.g., trees, buildings) blocking sunlight from reaching the solar panel throughout the day.
- 2. Mounting Options:** The KINGHE Solar Street Light can be mounted on a wall or a pole.
 - **Wall Mount:** Use the provided mounting bracket, screws, and anchors to securely attach the light to a sturdy wall. Mark the drilling points, drill holes, insert anchors, and then fasten the bracket and light.
 - **Pole Mount:** Attach the light to a pole (not included) using the provided bracket and hardware. Ensure the pole is stable and can safely support the weight of the light.
- 3. Orient the Solar Panel:** After mounting, adjust the light unit so that the integrated solar panel faces the sun for maximum exposure. The light head can also be adjusted to direct illumination to your desired area.

4. **Initial Charge:** After installation, allow the light to charge for a full sunny day (6-8 hours) before its first use to ensure the battery is adequately charged.

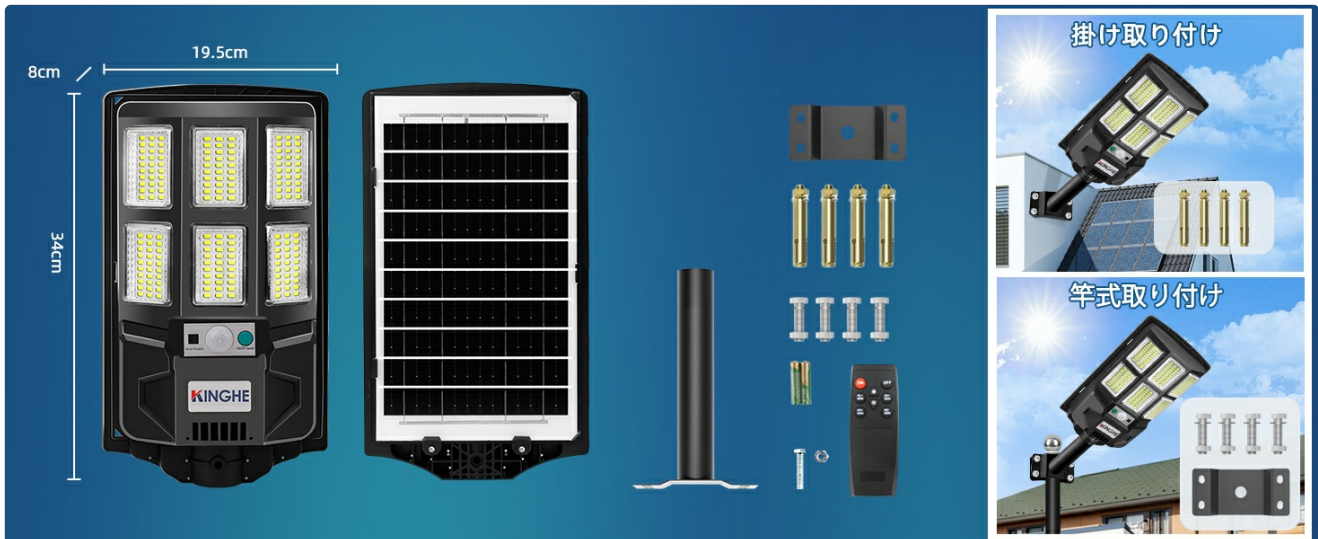


Image: Illustrations demonstrating two installation methods for the KINGHE Solar Street Light: wall mounting and pole mounting, along with the necessary hardware.

6. OPERATING INSTRUCTIONS

The KINGHE Solar Street Light is designed for automatic operation, turning on at dusk and off at dawn. It also features a motion sensor for adaptive lighting and can be controlled manually via the included remote.

Automatic Operation:

- The integrated light sensor detects ambient light levels.
- At dusk, the light automatically activates according to the selected mode.
- At dawn, the light automatically deactivates and begins charging its internal battery.

A KINGHE solar street light is mounted on a grey roof against a bright blue sky with white clouds. The light fixture is black and rectangular, featuring four panels of yellow LED chips. A solar panel is visible on the top surface. The brand name 'KINGHE' is printed on the front.

6-8時間のフル充電

インテリジェント光センサーチップ
メンテナンスフリーの自動運転

The same KINGHE solar street light is shown at night, illuminated against a dark blue starry sky. The light fixture is now glowing, and a beam of light is cast downwards from the bottom right corner of the fixture. The brand name 'KINGHE' is visible on the front.

夜全体を照らす

Image: The KINGHE Solar Street Light is shown charging during the day (6-8 hours for full charge) and automatically illuminating an entire yard at night, demonstrating its intelligent light sensor chip and maintenance-free automatic operation.

Motion Sensor Function:

When a motion sensor mode is selected, the light will adjust its brightness based on detected movement. The radar sensing distance is approximately 32-39 feet.

レーダー感知距離 32-39ft



Image: A person walking towards a house, triggering the KINGHE Solar Street Light to illuminate at 100% brightness from a lower 30% brightness. This illustrates the radar sensing distance of 32-39 feet.

Remote Control Functions:

Use the provided remote control to select desired operating modes:



Image: A remote control for the KINGHE Solar Street Light, with labels for each button and their corresponding functions.

- **ON:** Turns the solar street light on at 100% brightness.
- **OFF:** Turns the solar street light off. It will automatically turn on the next day.
- **100% Brightness:** Sets the light to maximum brightness (100%).
- **50% Brightness:** Sets the light to 50% brightness, suitable for cloudy weather or extended operation.
- **2H+SEN (2-Hour + Sensor Mode):** The light stays at 100% brightness for 2 hours, then switches to motion sensor mode. In motion sensor mode, it illuminates at 100% brightness when motion is detected and returns to 30% brightness when no motion is detected.
- **4H+SEN (4-Hour + Sensor Mode):** The light stays at 100% brightness for 4 hours, then switches to motion sensor mode. In motion sensor mode, it illuminates at 100% brightness when motion is detected and returns to 30% brightness when no motion is detected.
- **HL+SEN (High Light + Sensor Mode):** The light illuminates at 100% brightness when motion is detected and returns to 50% brightness when no motion is detected.
- **NO SEN (No Sensor Mode):** The light stays at 100% brightness until the battery is depleted. It will recharge the next day with sufficient sunlight.

7. MAINTENANCE

To ensure optimal performance and longevity of your KINGHE Solar Street Light, follow these simple maintenance guidelines:

- **Clean the Solar Panel:** Regularly clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, and other debris. A clean panel ensures maximum sunlight absorption and efficient battery charging.
- **Inspect Mounting:** Periodically check the mounting hardware (screws, bracket) to ensure it remains secure and the light is firmly attached. Tighten any loose fasteners as needed.
- **Battery Care:** The integrated 8000mAh lithium-ion battery is designed for long-term use and does not require user maintenance or replacement under normal operating conditions.
- **Environmental Factors:** In areas with heavy snowfall, ensure snow is cleared from the solar panel to allow for charging.

8. TROUBLESHOOTING

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

- **Light does not turn on at night:**

- **Insufficient Sunlight:** Ensure the solar panel is installed in a location that receives direct sunlight for at least 6-8 hours daily. Relocate if necessary.
- **Remote Control Setting:** Check if the light is in "OFF" mode via the remote control. Press "ON" or select an automatic mode (e.g., 2H+SEN, 4H+SEN, HL+SEN).
- **Dirty Solar Panel:** Verify that the solar panel surface is clean and free from obstructions.
- **Initial Charge:** If it's the first use, allow the light to charge for a full sunny day.

- **Light is dim or does not stay on for the expected duration:**

- **Inadequate Charging:** Insufficient sunlight during the day (e.g., cloudy weather, shaded location) will lead to reduced battery charge and shorter operating times.
- **Dirty Solar Panel:** A dirty panel reduces charging efficiency. Clean the panel as described in the Maintenance section.
- **Seasonal Variation:** In winter, daylight hours are shorter and sunlight intensity is lower, which can affect charging and operating duration.

- **Motion sensor not detecting movement:**

- **Obstruction:** Ensure the motion sensor lens is not obstructed by dirt, debris, or objects.
- **Mode Selection:** Verify that the light is set to a motion sensor mode (2H+SEN, 4H+SEN, HL+SEN) using the remote control.
- **Range:** Confirm that movement is occurring within the effective radar sensing range of 32-39 feet.

If these steps do not resolve the issue, please contact customer support for further assistance.

9. SPECIFICATIONS

The following are the technical specifications for the KINGHE Solar Street Light (Model KINGHE-BBW6P1):

Feature	Specification
Brand	KingHe
Model Number	KINGHE-BBW6P1
Product Dimensions	34 x 19.5 x 8 cm
Item Weight	1.36 kg
Power Output	600W (Max 10000 Lumens)
Battery Capacity	8000mAh Lithium-ion (included)
Waterproof Rating	IP66
Solar Panel Efficiency	26%
Illumination Angle	240 degrees
Motion Sensor Range	32-39 feet (Radar Sensing)

Feature	Specification
Material	Aluminum, Glass, Plastic, Metal
Style	Asian
Fixture Shape	Floodlight
First Available Date	2023/11/3

10. WARRANTY AND SUPPORT

KINGHE is committed to providing high-quality products and customer satisfaction.

- **1-Year Quality Guarantee:** Your KINGHE Solar Street Light is covered by a 12-month manufacturer's warranty from the date of purchase.
- **Customer Support:** If you encounter any issues with the product, including defects in parts or construction, please do not hesitate to contact our customer support team.
- **How to Contact Support:** You can typically find contact information through your purchase platform. For Amazon purchases, navigate to "Your Account" → "Your Orders" → locate your order → click on "Sold by" → then "Ask a question." We aim to provide prompt assistance.