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> A-ZONE 600W Solar LED Street Light User Manual

A-ZONE AZ-FX100 (600W)

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Model: AZ-FX100 (600W)

INTRODUCTION

Thank you for choosing the A-ZONE 600W Solar LED Street Light. This manual provides essential information for the proper installation, operation, and maintenance of your solar light. Please read it thoroughly before use to ensure optimal performance and longevity of the product.

This solar street light is designed for outdoor use, featuring automatic dusk-to-dawn operation, remote control functionality, and a robust IP67 waterproof rating. It is an energy-efficient and environmentally friendly lighting solution for various outdoor areas.

PRODUCT COMPONENTS

Carefully unpack the box and ensure all components are present and undamaged. If any parts are missing or damaged, please contact customer support.

- LED Light Body (600W)
- Solar Panel (6V/20W x 2)
- Remote Control
- Mounting Bracket
- Set of Installation Screws and Anchors
- User Manual

商品内容

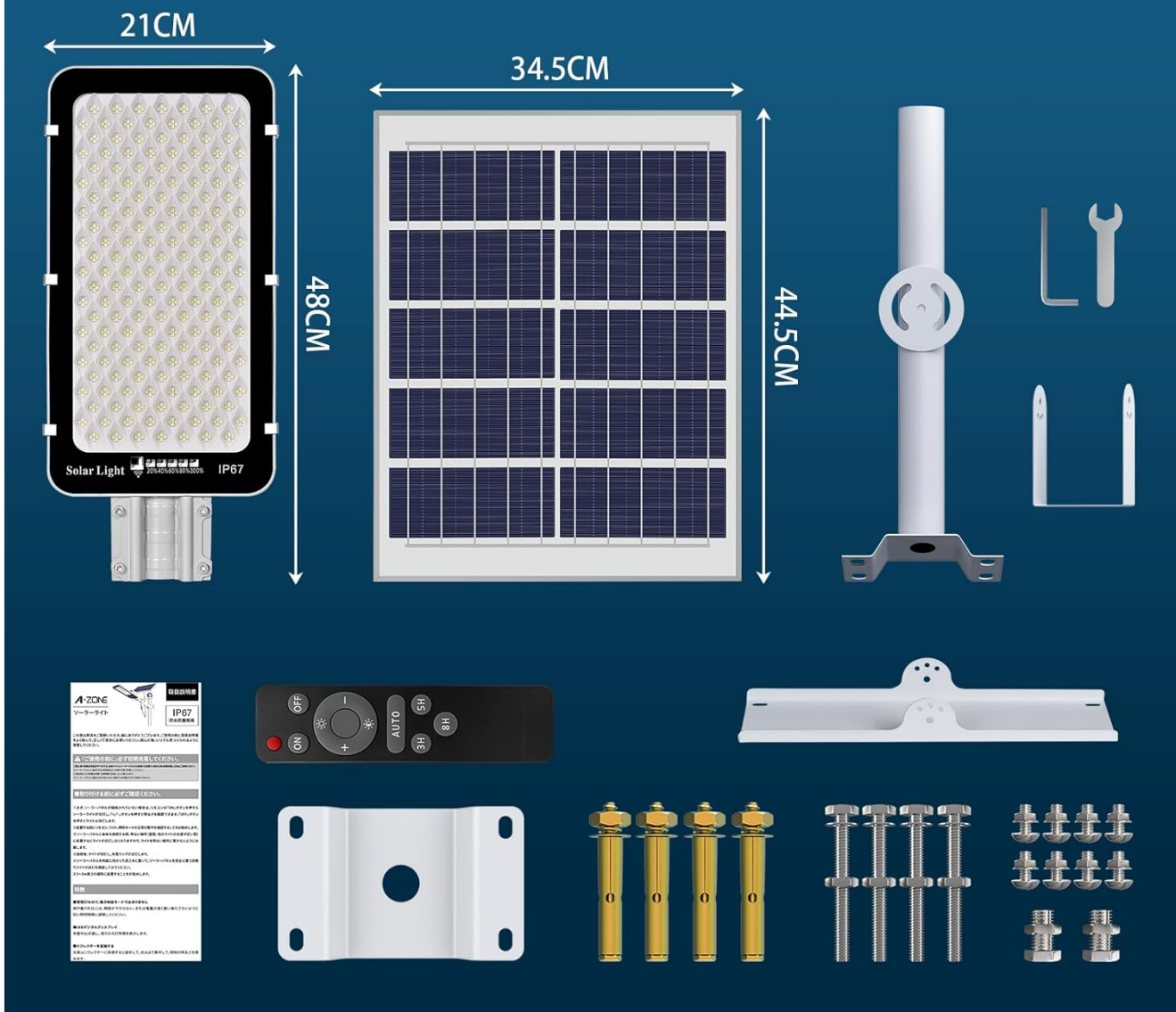


Image: Overview of included product components.

SETUP AND INSTALLATION

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

- 1. Choose an Optimal Location:** Select a location that receives direct sunlight for at least 6-8 hours daily to ensure the solar panel charges effectively. Avoid areas shaded by trees, buildings, or other obstructions.
- 2. Installation Height:** The recommended installation height is within 5 meters (approximately 16.4 feet) for optimal illumination coverage.
- 3. Mounting Options:** The light can be pole-mounted or wall-mounted using the provided bracket and hardware. Ensure the mounting surface is sturdy enough to support the weight of the light.
- 4. Solar Panel Orientation:** Position the solar panel to face the sun for maximum exposure throughout the day. The solar panel can be separated from the light body for flexible placement.

5. **Secure Connections:** Ensure all cable connections between the solar panel and the LED light body are secure and waterproof.



Image: Installation height and illumination area.



Image: Separated solar panel for flexible installation.

OPERATING INSTRUCTIONS

The A-ZONE Solar LED Street Light offers automatic operation and convenient remote control functions.

Automatic Operation

- **Daytime Charging:** The solar panel automatically charges the internal battery during daylight hours.
- **Nighttime Illumination:** Equipped with a photosensor, the light automatically turns on at dusk and turns off at dawn.
- **Power Display:** An LED power digital display indicates the remaining battery capacity (20%, 40%, 60%, 80%, 100%). The light's brightness automatically adjusts based on the battery level to extend illumination time.

LEDパワーデジタルディスプレイ

充電中はランプが点滅し、バッテリー残量も表示されます。
また、ライトの光輝は電量に応じて変化します。



Image: Automatic charging and illumination with LED power display.

Remote Control Functions

Use the included remote control to manage various lighting modes. The operating distance for the remote control is within 7 meters.

- **ON:** Turns the light on. This activates the default automatic mode (charging during the day, illuminating at night).
- **OFF:** Turns the light off. Note that this is a temporary off; there is no permanent power-off button to completely cut power, which helps extend battery life.
- **Brightness Adjustment (+/-):** Adjusts the light intensity. Options include 100% brightness and 50% brightness.
- **AUTO:** Activates automatic lighting. The brightness adjusts automatically based on battery power.
- **Timer Modes (3H/5H/8H):** Sets the light to turn off after 3, 5, or 8 hours. After the set time, the light will turn off and automatically resume the timed lighting mode the following night.

調光・タイマー機能



定時点灯モード



リモコン操作



ON:電気を点ける（デフォルトの自動モード）

昼間に自動充電、夜間に自動点灯。



OFF:ライトを1回オフにする(永久消灯できない)

バッテリーの耐用年数を延ばすため、電源を切るボタンはありません。



100%明るさ

50%明るさ

明るさアップ

明るさダウン



AUTO:自動点灯

バッテリーの電量によって自動的に明るさを調整します。



3H/5H/8H:

3/5/8時過ぎ、ライトが消灯します。

次の夜間にライトが点灯すると、自動的に定時モードが起動します。

Image: Remote control functions.



Image: Remote control operation range.

MAINTENANCE

To ensure the long-term performance and efficiency of your A-ZONE Solar LED Street Light, follow these simple maintenance steps:

- **Clean the Solar Panel:** Regularly wipe the surface of 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.
- **Inspect Connections:** Periodically check all cable connections between the solar panel and the light body to ensure they remain secure and free from corrosion.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing tree branches) are blocking sunlight from reaching the solar panel.
- **General Cleaning:** Clean the LED light body and housing as needed to maintain its appearance and light output.

The IP67 waterproof rating provides excellent protection against extreme weather conditions, reducing the need for frequent weather-related maintenance.

TROUBLESHOOTING

If you encounter issues with your solar street light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel surface. Check for obstructions.
Light is dim or turns off quickly.	Battery charge is low or insufficient.	Allow more charging time in direct sunlight. Ensure the solar panel is clean. The light automatically adjusts brightness based on battery level; this is normal behavior to extend duration.
Remote control is not working.	Remote battery is dead or signal is obstructed.	Replace the battery in the remote control. Ensure you are within the 7-meter operating range and there are no physical obstructions.
Light flickers or behaves erratically.	Loose connection or internal issue.	Check all cable connections. If the problem persists, contact customer support.

SPECIFICATIONS

Detailed technical specifications for the A-ZONE 600W Solar LED Street Light:

Feature	Specification
Brand	A-ZONE
Model Number	AZ-FX100
Wattage	600 W
Voltage	6.0 Volts
Light Source Type	LED (668 high-lumen lamp beads)
Battery Capacity	15000 mAh
Solar Panel Output	2 x 6V/20W
Charging Time	Approx. 8 hours (full charge)
Illumination Duration	Up to two nights on a full charge
Illumination Range	Over 150 square meters
Waterproof Rating	IP67
Material	Glass (panel), other materials for housing
Color	Black
Mounting Type	Pole Mount, Wall Mount

Feature	Specification
Dimensions (L x W x H)	47 cm x 2 cm x 13 cm (Light body)
Special Features	Automatic lighting, Remote control, Timer function, Power display

高効率ソーラー電池パネル
15000mAh大容量バッテリー

充電6時 → 点灯18時

Image: High-efficiency solar panel and battery capacity.

新登場！超高輝度ソーラーライト



Image: High brightness LED lamp beads.

WARRANTY AND SUPPORT

The A-ZONE 600W Solar LED Street Light comes with a **2-year quality assurance warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable operation under normal use conditions. For any questions, technical support, or warranty claims, please contact our customer service team:

- **Email:** zmjyi@outlook.com

Please provide your purchase details and a description of the issue when contacting support to facilitate a quicker resolution.

