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OKPRO S-2000A

OKPRO S-2000A 20000W Solar Street Light User Manual

Model: S-2000A

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your OKPRO S-2000A 20000W Solar Street Light. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

- Ensure all electrical connections are secure and properly insulated.
- Do not attempt to disassemble or modify the product, as this may void the warranty and pose safety risks.
- Install the solar panel in a location that receives direct sunlight for optimal charging performance.
- Avoid installing the light near heat sources or flammable materials.
- Handle the product with care to prevent damage to the solar panel or LED array.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Solar Powered Street Light
- 1 x Solar Panel
- 1 x Mounting Bracket
- 1 x Set of Mounting Accessories (screws, anchors, etc.)
- 1 x Remote Control

Massive Capacity. Built to Endure

Advanced overcharge & discharge protection ●

Unmatched 10-year service life ●



Image: The solar street light, solar panel, mounting bracket, remote control, and various mounting accessories are shown, along with illustrations of pole mount and wall mount installation options.

4. SPECIFICATIONS

Feature	Detail
Model	S-2000A
Brand	OKPRO
Power (Equivalent)	20000W
Light Source	2288 High-brightness LEDs
Color Temperature	7000K (White Light)
Illumination Area	Up to 3500 sq.ft

Beam Angle	320° Wide Angle
Solar Panel	6V/40W Monocrystalline Silicon
Battery Capacity	40000mAh Lithium Ion
Charging Time	6-8 hours (direct sunlight)
Runtime	8-20 hours (depending on mode/brightness)
Water Resistance	IP66
Material	Aluminum, Glass
Installation Height	16-26 ft (recommended)
Control Method	Remote Control, Light Sensor (Dusk to Dawn)



Image: A diagram illustrating the 320° wide-angle illumination pattern and the coverage area of 3500 square feet, with a recommended installation height range of 16-26 feet.



Image: Demonstrates the IP66 waterproof rating and the light's resilience to various weather conditions, including heavy rain, strong winds (hurricane level), extreme cold (-76°F), and high temperatures (140°F).

5. SETUP AND INSTALLATION

5.1 Choosing an Installation Location

Select a location that receives maximum direct sunlight throughout the day. Avoid areas shaded by buildings, trees, or other obstructions. The recommended installation height is between 16 to 26 feet (5 to 8 meters) for optimal light distribution.

5.2 Mounting Options

The OKPRO S-2000A supports two primary installation methods:

- **Pole Mount:** Attach the light fixture and solar panel to a pole with a diameter of 1.5 to 4 inches.
- **Wall Mount:** Secure the light fixture and solar panel directly to a sturdy wall surface.

5.3 Installation Steps

1. **Assemble the Mounting Bracket:** Attach the mounting bracket to the light fixture using the provided screws.
2. **Mount the Light Fixture:** Secure the assembled light fixture to your chosen pole or wall using the appropriate mounting accessories. Ensure it is firmly attached.
3. **Install the Solar Panel:** Attach the solar panel to the separate mounting arm. Connect the solar panel cable to the light fixture.
4. **Adjust Angles:** Adjust the angle of both the solar panel and the light fixture to maximize sun exposure and desired light coverage. The solar panel should ideally face south at a 45-degree angle for optimal charging.



Image: Close-up views demonstrating the horizontal and vertical adjustment mechanisms for both the solar panel and the light fixture, allowing for precise positioning to optimize sunlight absorption and light direction.



Image: A visual comparison highlighting the superior charging efficiency of the single crystal silicon solar panel (used in this product) compared to a polysilicon panel, showing a full charge for the 40000mAh battery.

6. OPERATING INSTRUCTIONS

6.1 Automatic Dusk-to-Dawn Operation

The solar street light is equipped with a light sensor that automatically turns the light ON at dusk and OFF at dawn, provided the AUTO mode is activated via the remote control.

Solar Street Lights Outdoor Dusk to Dawn



Image: Illustrates the solar street light's automatic operation, showing the solar panel absorbing sunlight during the day for 6-8 hours of fast charging, and the light illuminating for up to 12 hours at night.

6.2 Remote Control Functions

Use the included remote control to manage the light's settings:

- **ON:** Turns the light on at 100% brightness. The brightness can be adjusted. The light will automatically turn on at dusk and off at dawn if AUTO mode is active.
- **OFF:** Turns the light off. The light will not automatically turn on the next day unless turned on again with the remote control.
- **+/- (Brightness Adjustment):** Short press to adjust brightness in steps (e.g., 50%, 100%). Long press for continuous 10%-100% brightness adjustment.
- **AUTO:** Activates the dusk-to-dawn automatic operation.
- **3H/5H/8H:** Sets a timer for the light to stay on for 3, 5, or 8 hours after activation, then automatically turns off.

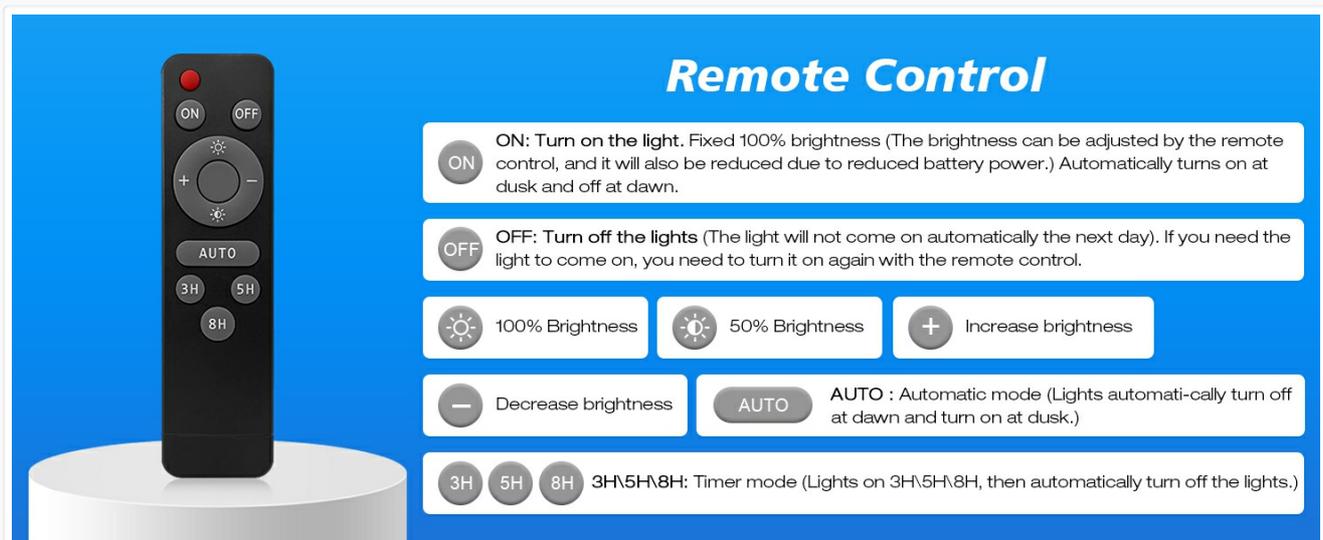


Image: A detailed diagram of the remote control, explaining the function of each button including ON/OFF, brightness adjustment, AUTO mode, and timer settings (3H, 5H, 8H).

7. MAINTENANCE

7.1 Cleaning the Solar Panel

Regularly clean the surface of the solar panel to ensure maximum sunlight absorption. Dust, dirt, and debris can reduce charging efficiency. Use a soft, damp cloth to wipe the panel. Avoid abrasive cleaners or harsh chemicals.

7.2 General Inspection

Periodically check all mounting hardware to ensure it remains secure. Inspect cables for any signs of wear or damage. If any damage is found, contact customer support for assistance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging; AUTO mode not activated; battery depleted.	Ensure solar panel is in direct sunlight for 6-8 hours. Activate AUTO mode with remote. Check for obstructions on solar panel.
Light is dim or runtime is short.	Solar panel is dirty or shaded; insufficient charging; low battery.	Clean solar panel. Relocate panel to a sunnier spot. Ensure full charge before first use. Reduce brightness setting.
Remote control not working.	Remote battery depleted; obstruction between remote and light; remote not paired.	Replace remote control battery. Ensure clear line of sight. Re-pair remote if necessary (refer to remote instructions).
Light flickers.	Loose connection; low battery.	Check all cable connections. Allow light to charge fully in direct sunlight.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The OKPRO S-2000A Solar Street Light comes with a **2-year after-sales service and support**. This warranty covers manufacturing defects and ensures stable operation under normal use conditions.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our professional support team. We are committed to ensuring your satisfaction and providing timely assistance.

Contact information can typically be found on the product packaging or the official OKPRO website.

