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› Gefolly SL-9800W Solar Street Light Instruction Manual

Gefolly SL-9800W

Gefolly SL-9800W Solar Street Light Instruction Manual

Model: SL-9800W | Brand: Gefolly

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Gefolly SL-9800W Solar Street Light. This high-performance outdoor lighting solution is designed for commercial and home use, offering powerful illumination with zero electricity costs.

The Gefolly SL-9800W features 144 ultra-bright 5050 type LED beads, a large 50000mAh capacity battery, and high-conversion monocrystalline silicon solar panels. It is built to withstand various weather conditions with an IP67 waterproof rating and resistance to lightning, frost, and heat.



Figure 1.1: Gefolly SL-9800W Solar Street Light, showing the main unit, two solar panels, and the remote control.

2. PRODUCT FEATURES

- **Solar Powered & Zero Electricity Bill:** Equipped with 144pcs 5050 ultra-bright LED lamp beads and a 50000mAh battery, providing up to 30 hours of continuous lighting when fully charged. Automatically turns on at dusk and charges during the day.
- **High-Capacity Battery:** Built-in 50000mAh lithium battery for stable and durable performance. Features 4 power

capacity indicator lights for intuitive power monitoring.

- **Super Bright LED Beads:** 144pcs first-class 5050 type LED beads provide illumination for up to 4000 square feet, reducing lighting blind spots.
- **Intelligent Control:** Includes a remote control for convenient long-distance operation. Offers 2 lighting modes (constant light, timer setting) and 10%-100% adjustable brightness. Timing groups include 3H/5H/8H.
- **Durable Design:** IP67 waterproof rating ensures normal operation in bad weather. Designed to be lightning-resistant, frost-resistant, and heat-resistant.

DUSK TO DAWN & 0 ELECTRICITY BILL



**First-Class Ultra-Bright
5050 Type LED Beads**

Auto Lighting up at dusk: More than **15hrs**



**High-Conversion
Monocrystalline Silicon Solar Panels**

Charging under sufficient sunshine in the day: **6-8hrs**

Figure 2.1: Illustration of the light's dusk-to-dawn functionality and the high-conversion monocrystalline silicon solar panels.

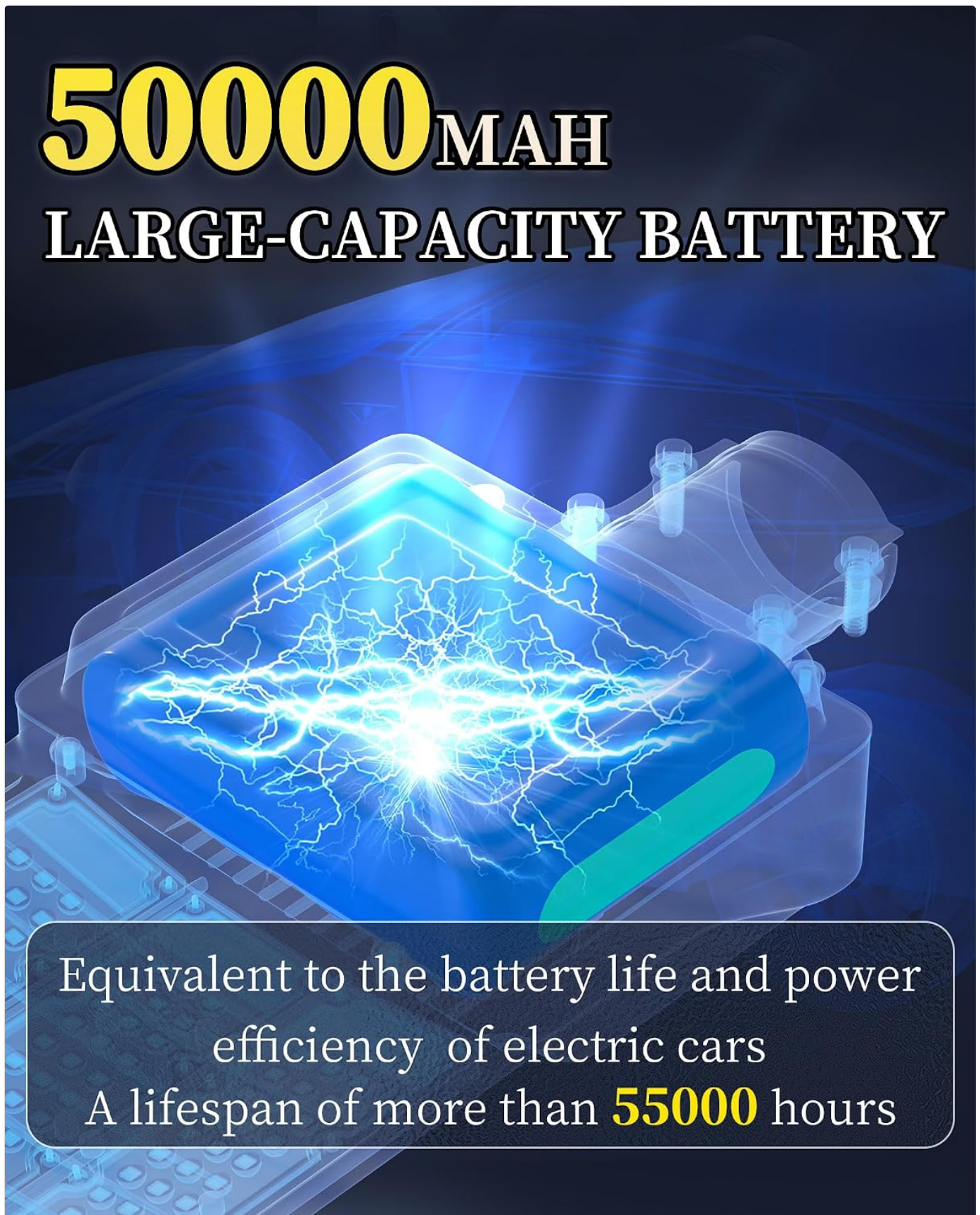


Figure 2.2: Internal view highlighting the 50000mAh large-capacity battery, equivalent to electric car battery life and power efficiency.

3. SETUP AND INSTALLATION

The Gefolly SL-9800W Solar Street Light comes with all necessary wall and pole mount accessories for easy outdoor installation without wiring.

3.1 Package Contents

Before installation, ensure all components are present:

- Solar Street Light Unit
- Solar Panels (2)
- Remote Control
- Wall Mount Bracket
- Pole Mount Bracket
- Mounting Screws and Anchors
- Connecting Cables

WHAT YOU WILL GET

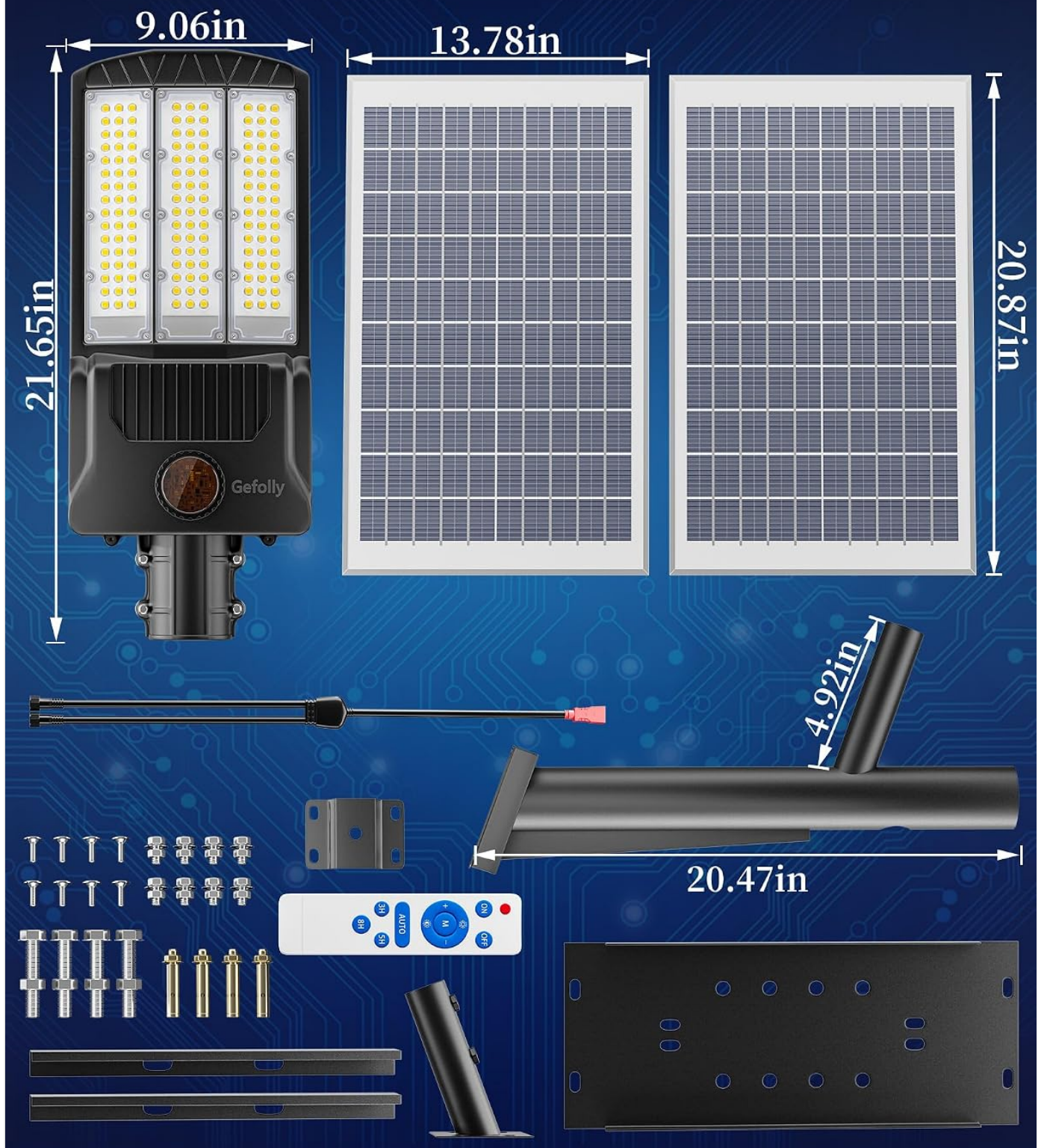


Figure 3.1: Detailed view of all items included in the product package, showing the light, solar panels, remote, and various mounting accessories.

3.2 Installation Steps

1. **Assemble Light Body Bracket:** Attach the light body to the bracket as shown in the assembly guide video. Ensure all connections are secure.
2. **Choose Mounting Location:** Select a location that receives ample direct sunlight throughout the day for optimal charging. The recommended installation height is between 10-26 feet.

3. Wall Mounting (Optional):

- Mark drilling points on the wall using the wall mount bracket as a template.
- Drill holes and insert anchors.
- Secure the wall mount bracket to the wall using the provided screws.
- Attach the assembled light unit to the wall mount bracket.

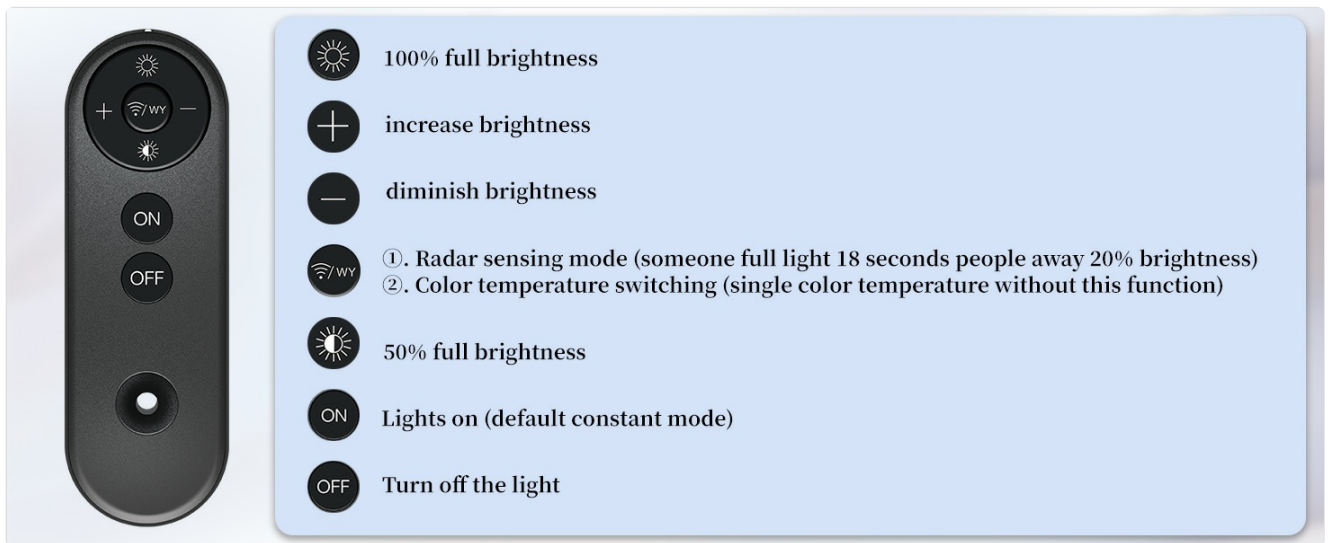


Figure 3.2: The solar street light installed on a wall, illustrating the wall mounting method and associated hardware.

4. Pole Mounting (Optional):

- Attach the pole mount bracket to a pole with a diameter between 1.77in-3.94in.
- Secure the bracket using the provided bolts.
- Attach the assembled light unit to the pole mount bracket.



Figure 3.3: The solar street light installed on a pole, illustrating the pole mounting method and associated hardware.

5. **Connect Solar Panels:** Connect the solar panels to the main light unit using the provided cables. Ensure connections are tight and secure.

Your browser does not support the video tag.

Video 3.1: An introductory video demonstrating the assembly and installation process for the Gefolly Solar Street Light, including light body bracket assembly, wall mounting, and pole mounting.

4. OPERATING INSTRUCTIONS

The Gefolly SL-9800W Solar Street Light is designed for automatic operation but can also be controlled via the included remote.

4.1 Initial Activation and Automatic Mode

The light will automatically turn on at dusk and charge during the day. To activate the automatic dusk-to-dawn mode:

1. Press the "ON" button on the remote control.
2. Then, press the "AUTO" button. The light will now operate automatically, turning on when it gets dark and off when it's light.



Figure 4.1: Visual guide for activating the dusk-to-dawn automatic lighting mode using the remote control.

4.2 Remote Control Functions

The remote control allows for various adjustments:

- **ON/OFF:** Turns the light on or off.
- **Brightness Adjustment:** Use the '+' and '-' buttons to adjust brightness from 10% to 100% in 10% increments.
- **AUTO Mode:** Activates the dusk-to-dawn automatic lighting mode.
- **Timing Modes (3H/5H/8H):** Press the "ON" button, then select 3H, 5H, or 8H to set the light to stay on for 3, 5, or 8 hours after activation, then turn off.
- **Restart:** Clears all previous settings and returns to default.

Note: The remote control requires two AAA 1.5V batteries (not included).



Figure 4.2: Detailed explanation of the remote control buttons and their corresponding functions for light operation.

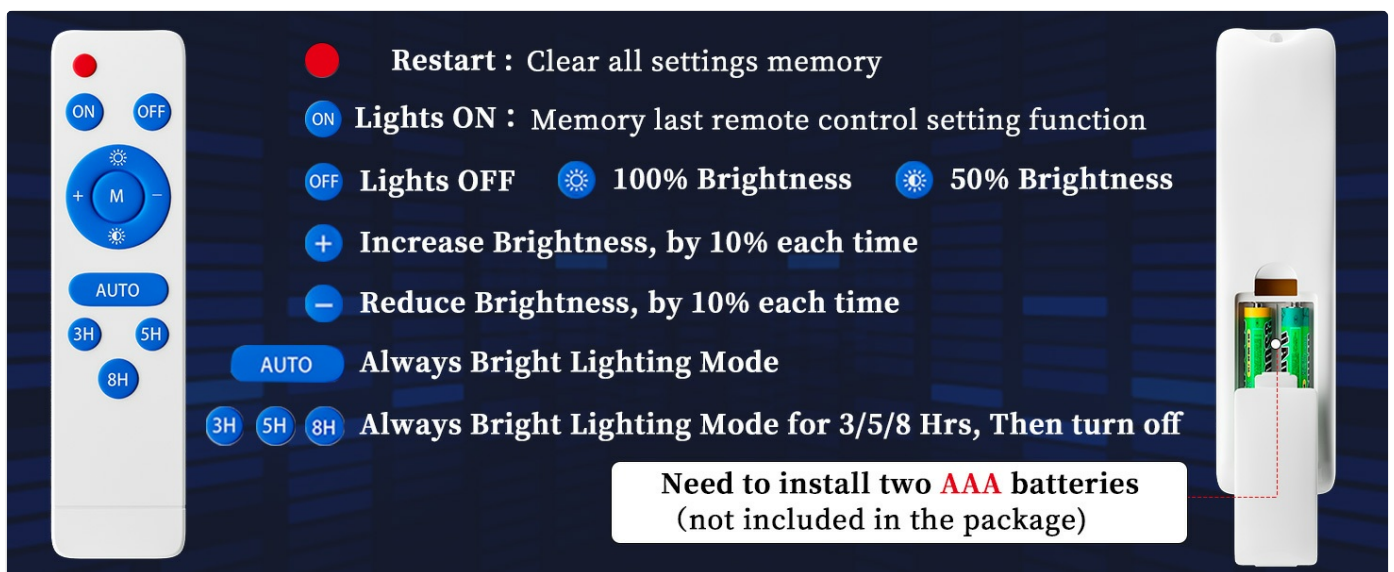


Figure 4.3: How to use the timing set function on the remote control to program the light's operating hours.

4.3 Power Capacity Indicators

The light unit features four power capacity indicator lights to show the remaining battery power:

- Each light represents 20% of the power.
- When charging during the day, the lights flash to indicate charging and remain on when fully charged.
- At night, if only the red light is on, the power is below 20%. If 4 lights are on and 1 is off, the light has 80% power.

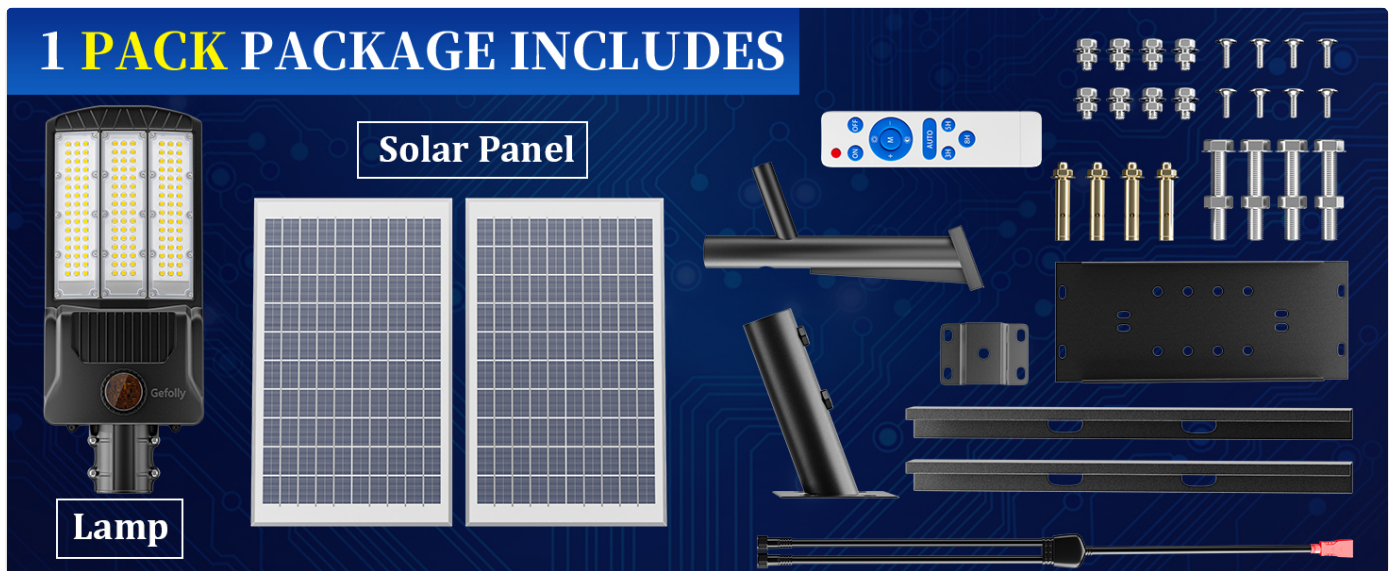


Figure 4.4: Explanation of the four power capacity indicator lights, showing charging status and remaining battery level.

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Video 4.1: A demonstration of the light's operation, showing it turning on and off, which can be useful for understanding its functionality.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Gefolly SL-9800W Solar Street Light.

- **Solar Panel Cleaning:** Regularly clean the surface of the solar panels to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging. It is recommended to clean the panel every few months, especially during winter or in dusty environments.
- **Battery Life:** The built-in battery has an estimated lifetime of up to 65,000 hours. No user maintenance is required for the internal battery.
- **Weather Resistance:** The light is designed to be IP67 waterproof, lightning-resistant, frost-resistant, and heat-resistant, allowing it to operate reliably in various weather conditions.



Figure 5.1: Visual representation of the light's durability and resistance to various environmental factors, including lightning, water, frost, and extreme heat.

6. TROUBLESHOOTING

If you encounter issues with your Gefolly SL-9800W Solar Street Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient charging during the day; solar panel is dirty or obstructed; light is not in AUTO mode.	Ensure solar panels are clean and receive 6-8 hours of direct sunlight daily. Verify the light is set to "ON" and "AUTO" mode via the remote control.

Problem	Possible Cause	Solution
Light is dim or does not stay on for long.	Battery not fully charged; cloudy weather affecting charging; battery degradation over time.	Allow several sunny days for full charge. Clean solar panels. If the issue persists after several years, the battery may be nearing the end of its lifespan.
Remote control is not working.	Remote control batteries are dead or incorrectly inserted; remote is out of range.	Replace the two AAA 1.5V batteries in the remote control. Ensure you are within 35 feet of the light unit when operating the remote.
Light does not turn off automatically.	Light is set to a constant ON mode or a timing mode (3H/5H/8H) without an automatic off setting.	Ensure the light is set to "AUTO" mode for dusk-to-dawn operation. If a timing mode is selected, the light will turn off after the set duration. There is no default "off" setting for constant illumination modes.

7. SPECIFICATIONS

Feature	Detail
Brand	Gefolly
Model Number	SL-9800W
Light Source Type	LED (144 pcs 5050 type beads)
Brightness	650000LM (advertised), 480000 lumen (specification)
Light Color	6500K (Cool White)
Battery Capacity	50000mAh Lithium Battery
Battery Lifetime	Up to 65,000 hours
Power Source	Solar Powered
Water Resistance Level	IP67 Waterproof
Control Method	Remote Control
Product Dimensions	23.62"L x 15.35"W x 7.48"H
Item Weight	22.2 pounds
Installation Type	Wall-mounted or Pole-mounted
Recommended Pole Diameter	1.77in-3.94in
Recommended Installation Height	10-26ft
Lighting Area Range	Max 4000 sq.ft

8. WARRANTY AND SUPPORT

Gefolly is committed to providing a satisfying purchase experience. The Gefolly SL-9800W Solar Street Light comes with:

- A **120-day money-back policy**.
- A **3-year product maintenance policy**.

For any questions or concerns regarding your solar security flood lights, please contact our customer service team. Refer to your purchase documentation for specific contact details.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question