

## rockspace 5W Solar Panel

# rockspace 5W Solar Panel for Wireless Outdoor Security Camera Instruction Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your rockspace 5W Solar Panel. This solar panel is designed to provide a continuous power supply to compatible DC 5V wireless outdoor security cameras equipped with a Micro USB port, ensuring uninterrupted surveillance without frequent battery recharging.

Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

## 2. PRODUCT OVERVIEW

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The rockspace 5W Solar Panel is engineered for efficiency and durability, offering a reliable power solution for your outdoor security cameras. Key features include:

- **Wide Compatibility:** Specifically designed for DC 5V rechargeable outdoor cameras with Micro USB ports. **Note:** Not compatible with Ring, Arlo, Blink, or Nest cameras.
- **Non-stop Power Supply:** Delivers 5W of power output, keeping your camera charged with just a few hours of direct sunlight daily.
- **Flexibility & Easy Installation:** Features 360-degree rotation and 90-degree tilt adjustable mounting brackets, along with a 9.84-foot (approximately 3-meter) power cord for flexible placement and optimal sun exposure.
- **IP65 Weatherproof:** Constructed with weather-resistant materials to withstand snow, storms, rain, and other harsh outdoor conditions.
- **High-Efficiency Monocrystalline Silicon:** Utilizes premium monocrystalline silicon cells for enhanced light absorption and power conversion.



Image 2.1: The rockspace 5W Solar Panel, showing the panel, Micro USB cable, and adjustable mounting bracket.

# High Compatibility Support Most Battery Powered Cameras with Micro USB interface

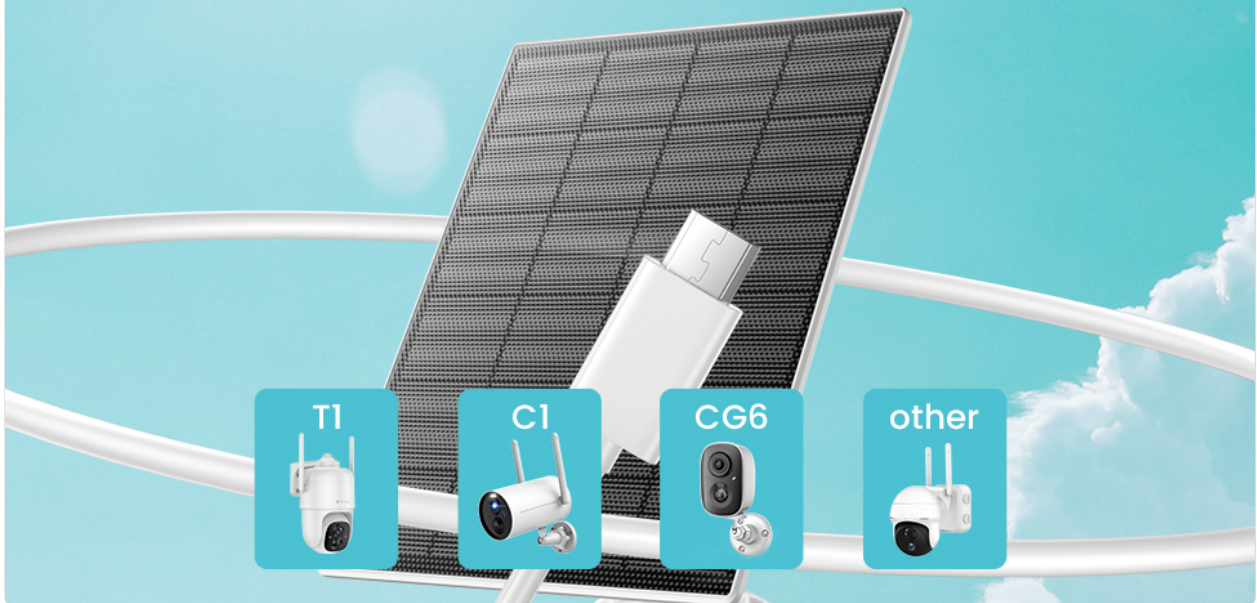


Image 2.2: Visual representation of the solar panel's compatibility with Micro USB cameras and its incompatibility with specific camera brands.



## Non-Stop Solar Power

The Solar Panel Charger keeps your battery charged with direct sunlight.



Image 2.3: An outdoor security camera receiving continuous power from the solar panel.

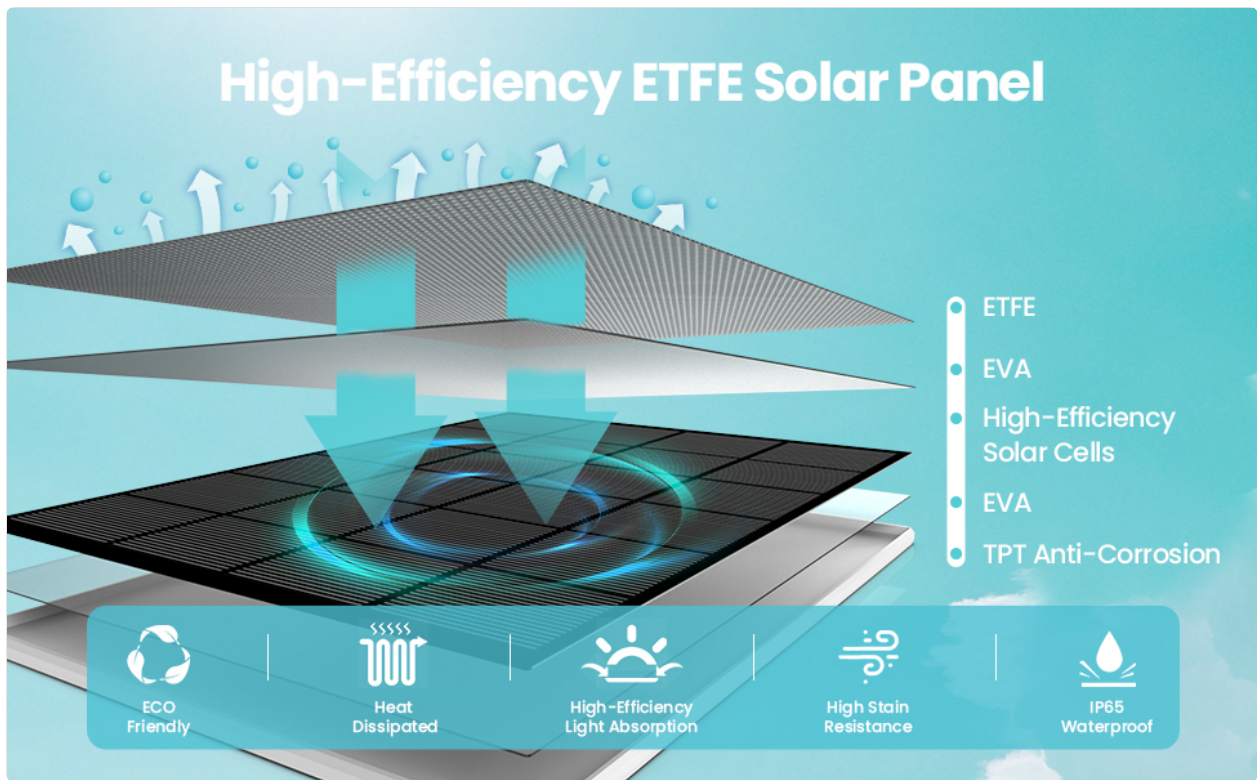


Image 2.4: Exploded view showing the high-efficiency ETFE solar panel construction, including ETFE, EVA, high-efficiency solar cells, and TPT anti-corrosion layers.

### 3. INSTALLATION & SETUP

Follow these steps to properly install your rockspace 5W Solar Panel:

1. **Mount the Bracket:** Select a location that receives maximum direct sunlight throughout the day. Use the provided screws to securely mount the bracket to a wall or other stable surface.
2. **Fix the Panel:** Attach the solar panel to the mounted bracket. Ensure it is firmly secured.
3. **Adjust the Panel:** Adjust the direction of the solar panel to maximize sunlight exposure. The bracket allows for 360-degree rotation and 90-degree tilt. An angle of approximately 30 degrees towards the sun is often optimal.
4. **Connect Panel to Camera:** Connect the Micro USB cable from the solar panel to the Micro USB charging port on your compatible outdoor security camera. The 9.84-foot cable provides ample length for flexible placement.

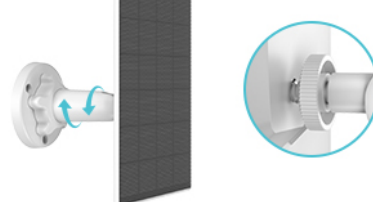
# Installation Steps

## 1 Mount the Bracket



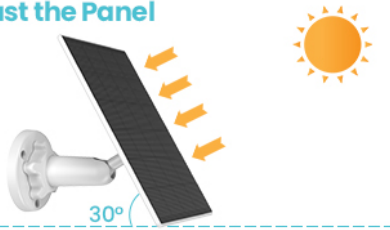
Mount the bracket by inserting the three screws

## 2 Fix the Panel



Fix the solar panel on the bracket

## 3 Adjust the Panel



Adjust the direction of the panel by rotating the handles on the bracket to maximize sunlight exposure (30° is better)

## 4 Connect Panel to Camera



Connect the panel to camera with the 6.56ft charging cable

Image 3.1: Step-by-step visual guide for installing the solar panel.

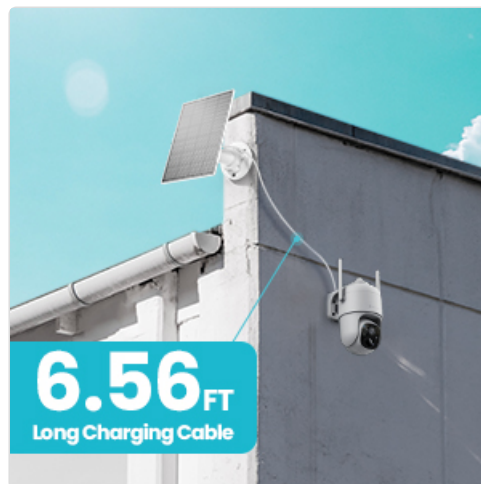


Image 3.2: Illustration of the solar panel connected to a camera using its long charging cable.

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Video 3.1: A demonstration of the Lybuorze Solar Panel for Security Camera, showing its physical appearance and how it can be mounted to provide continuous power. This video illustrates the product's design and potential installation scenario.

## 4. OPERATING INSTRUCTIONS

Once installed, the rockspace 5W Solar Panel operates automatically to charge your connected security camera. For optimal performance:

- **Maximize Sunlight Exposure:** Ensure the solar panel is positioned in an area that receives direct sunlight for several hours each day. Obstructions such as trees, buildings, or eaves can significantly reduce charging efficiency.
- **Continuous Charging:** The panel will convert sunlight into electrical energy to charge your camera's battery. In ideal conditions, it can maintain your camera's charge 24/7, eliminating the need for manual recharging.

- **Monitor Camera Battery:** Periodically check your camera's battery status via its associated application to confirm effective charging.



Image 4.1: Illustration highlighting the benefit of continuous charging for 365 days with the solar panel.

## 5. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your solar panel:

- **Cleaning:** Periodically clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or other debris that may obstruct sunlight. Avoid abrasive cleaners or harsh chemicals.
- **Inspect Connections:** Occasionally check the Micro USB connection to your camera to ensure it is secure and free from corrosion or damage.
- **Weather Resistance:** The panel is IP65 weatherproof, designed to withstand various weather conditions. However, in extreme weather events (e.g., severe hail, hurricanes), consider temporarily relocating the panel if possible to prevent damage.

## 6. TROUBLESHOOTING

If your camera is not charging or is charging slowly, consider the following:

- **No Charge / Slow Charge:**
  - **Sunlight Exposure:** Verify that the solar panel is receiving direct, unobstructed sunlight for several hours daily. Adjust its position or angle if necessary.
  - **Panel Cleanliness:** Clean the surface of the solar panel to remove any dirt or debris that might be blocking sunlight.
  - **Cable Connection:** Ensure the Micro USB cable is securely connected to both the solar panel and the camera. Check for any visible damage to the cable or connectors.
  - **Camera Compatibility:** Confirm that your camera is a DC 5V rechargeable model with a Micro USB port and is not one of the incompatible brands (Ring, Arlo, Blink, Nest).

- **Weather Conditions:** Charging efficiency can be reduced on cloudy or rainy days. Allow for more time or better weather conditions for a full charge.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	rockspace
Model	5W Solar Panel
Mounting Type	Wall Mount
Color	White
Material	Monocrystalline Silicon
Voltage	5 Volts
Wattage	5 watts
International Protection Rating	IP65
Cable Length	9.84 feet (approx. 3 meters)
Item Weight	13.4 ounces
Package Dimensions	7.52 x 6.77 x 1.73 inches

## 8. WARRANTY AND SUPPORT

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The rockspace 5W Solar Panel comes with a **2-year warranty**. If you encounter any issues or have questions regarding the product's performance with your rechargeable battery camera, please contact rockspace customer service. Our professional service team is available to provide assistance and solutions.

For support, please refer to the contact information provided with your product packaging or visit the official rockspace website.