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Dzees SPD3

Dzees 5W Solar Panel User Manual

Model: SPD3

1. INTRODUCTION

Thank you for choosing the Dzees 5W Solar Panel. This solar panel is designed to provide a continuous power supply for your Dzees PTZ D3 rechargeable battery security camera, ensuring uninterrupted operation without the need for frequent manual recharging. This manual provides essential information for the proper installation, operation, and maintenance of your solar panel.

2. PACKAGE CONTENTS

Please check the package for the following items:

- Dzees 5W Solar Panel
- Adjustable Mounting Bracket
- 9.8ft (3m) Charging Cable with Micro USB Connector and Waterproof Silicone Plug
- Mounting Screws and Wall Anchors

3. PRODUCT OVERVIEW

The Dzees 5W Solar Panel is engineered for efficiency and durability, featuring a robust design to withstand various outdoor conditions.



Figure 3.1: Front view of the Dzees 5W Solar Panel, showing the solar cells, the attached charging cable, and the Micro USB plug.



Figure 3.2: Side view of the solar panel, illustrating the mounting arm and the coiled charging cable with the Micro USB plug.

Ready for Any Weather

IP65 Weatherproof



Figure 3.3: An exploded diagram showing the internal layers of the solar panel, including ETFE, EVA, Solar Cells, and FR-4. It highlights features such as IP65 Weatherproof, High Efficient Absorbency, and Environment Friendly design.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your solar panel.

4.1 Choosing a Location

Select a location that receives direct sunlight for the majority of the day. Avoid areas shaded by trees, buildings, or other obstructions. The more direct sunlight the panel receives, the more efficiently it will charge your camera's battery.

4.2 Mounting the Solar Panel

1. Position the mounting bracket on the desired surface (wall, fence, etc.).
2. Mark the drill holes using the bracket as a template.
3. Drill holes and insert wall anchors if mounting on masonry or drywall.
4. Secure the mounting bracket using the provided screws.
5. Attach the solar panel to the mounting bracket.
6. Adjust the angle of the solar panel to face the sun directly. The adjustable bracket allows for 90-degree tilt and 360-degree rotation for optimal sun exposure.

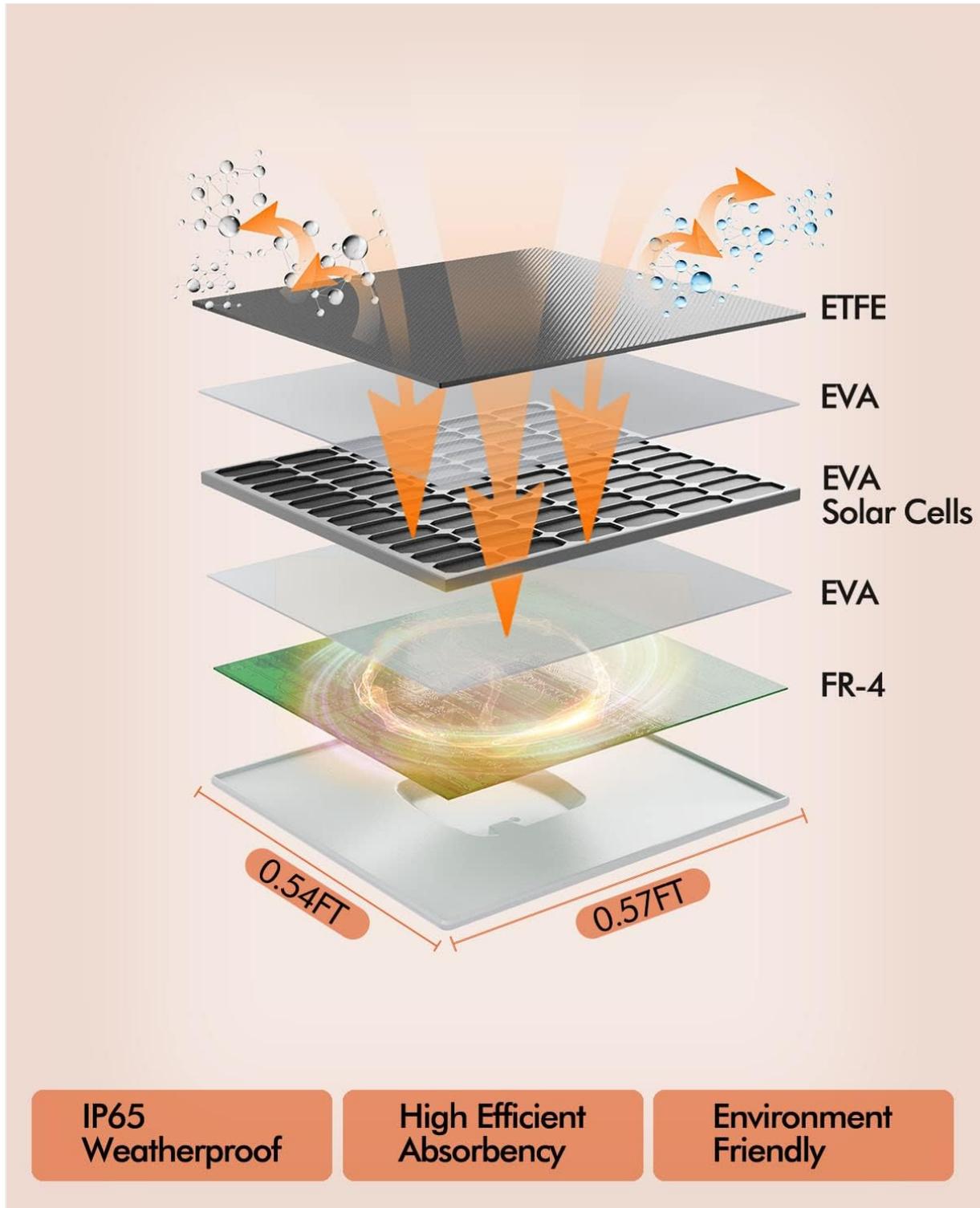


Figure 4.1: Illustration of the adjustable mounting bracket, demonstrating its 90-degree tilt and 360-degree rotation capabilities for flexible installation and optimal sun alignment. The image also indicates the 10ft (3m) long charging cable.

4.3 Connecting to the Security Camera

Connect the Micro USB plug of the solar panel's charging cable to the charging port on your Dzees PTZ D3

security camera. Ensure the waterproof silicone plug is properly seated to protect the port from dust and water.

Silicone plug specially designed for D3 charging port



Figure 4.2: A comparison showing the correct insertion of the silicone plug into the D3 camera's charging port (left), ensuring protection against dust and water, versus an incorrect, exposed connection (right).

5. OPERATING INSTRUCTIONS

Once installed and connected, the Dzees 5W Solar Panel will automatically begin charging your security camera's battery when exposed to sunlight. The panel is designed to provide a continuous trickle charge, maintaining the camera's battery level and extending its operational life.

- The solar panel converts sunlight into electrical energy, which is then supplied to your camera via the charging cable.
- Charging efficiency depends on the intensity and duration of direct sunlight.
- The camera's battery management system will regulate the charging process to prevent overcharging.

6. MAINTENANCE

To ensure long-term performance and efficiency of your solar panel, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, and debris that may accumulate and reduce charging efficiency. Do not use harsh chemicals or abrasive materials.
- **Inspection:** Regularly check the charging cable and connections for any signs of wear, damage, or corrosion. Ensure the silicone plug remains securely seated in the camera's charging port.
- **Obstructions:** Ensure no new obstructions (e.g., growing tree branches, new structures) are blocking sunlight from reaching the panel.
- **Weather Resistance:** The solar panel is IP65 weatherproof, designed to withstand rain, snow, and dust. However, extreme weather conditions may temporarily affect charging performance.

Easy to Install

Adjustable Mounting Bracket

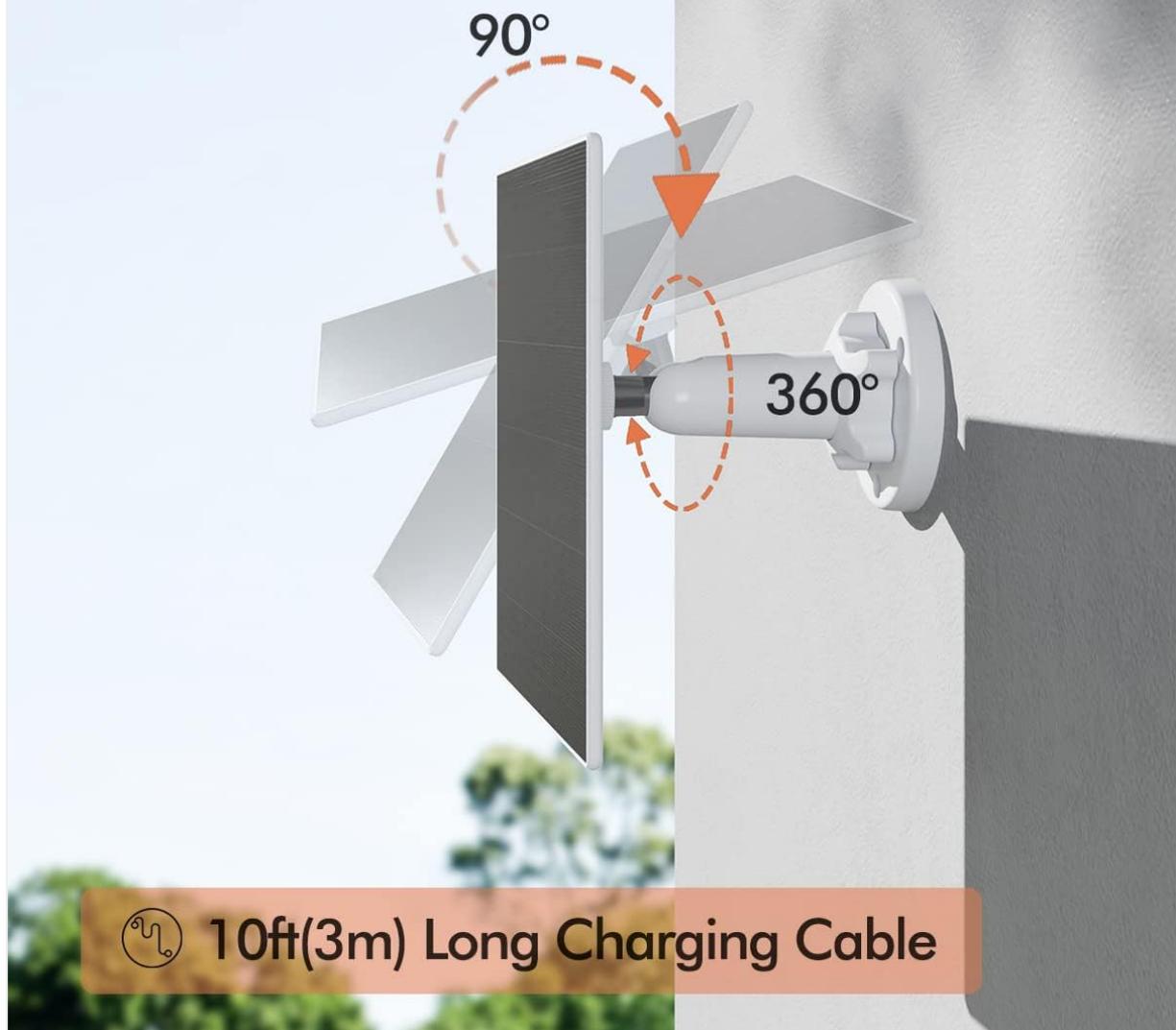


Figure 6.1: The Dzees solar panel and a compatible security camera mounted outdoors during rainfall, demonstrating the IP65 weatherproofing feature.

7. TROUBLESHOOTING

If your camera is not charging or experiencing power issues, consider the following:

- **No Charge Indication:**
 - Ensure the solar panel is receiving direct sunlight.
 - Check that the charging cable is securely connected to both the solar panel and the camera.
 - Verify that the silicone plug is properly inserted into the camera's charging port.
 - Clean the surface of the solar panel to remove any dirt or debris.

- **Intermittent Charging:**

- This may occur due to fluctuating sunlight conditions (e.g., partial shading, cloudy weather).
- Ensure the panel's angle is optimized for maximum sun exposure throughout the day.

- **Cable Damage:**

- Inspect the charging cable for any visible damage, kinks, or cuts. A damaged cable may prevent proper charging.

8. SPECIFICATIONS

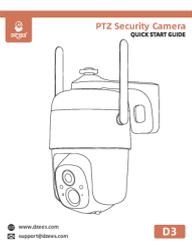
Brand	Dzees
Model Number	SPD3 (also referred to as SPG6 in some listings)
Power Output	5 Watts (Max), 3 Watts (Nominal)
Voltage	5 Volts
Product Dimensions (L x W x H)	19.48 x 17.4 x 4.39 cm (7.67 x 6.85 x 1.73 inches)
Item Weight	370 grams
Cable Length	9.8 ft (3 meters)
Connector Type	Micro USB with Waterproof Silicone Plug
Weather Resistance	IP65 Weatherproof

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your original product purchase or visit the official Dzees website. If you encounter any issues not covered in this manual, please contact Dzees customer service for assistance.

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Related Documents - SPD3

	<p>Dzees PTZ Security Camera D3 Quick Start Guide</p> <p>This guide provides instructions for setting up and using the Dzees PTZ Security Camera (Model D3). It covers app installation, account registration, camera connection via Wi-Fi or QR code, physical installation, solar panel setup, battery management, and answers frequently asked questions.</p>
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 <p>Wire-Free Security Camera QUICK START GUIDE (D3)</p>	<p>Dzees Wire-Free Security Camera D3 Quick Start Guide</p> <p>A comprehensive quick start guide for the Dzees Wire-Free Security Camera D3, covering setup, features, and troubleshooting.</p>
 <p>Smart Battery Video Doorbell QUICK START GUIDE DB1</p>	<p>DZEES Smart Battery Video Doorbell DB1 Quick Start Guide</p> <p>A comprehensive quick start guide for the DZEES Smart Battery Video Doorbell (DB1), covering packing list, product appearance, app installation, account registration, connection preparation, chime setup, installation, removal, tamper alerts, battery management, indicator light status, sharing, multi-device management, reset, storage, specifications, firmware upgrades, and FAQs.</p>
 <p>Wire-Free Security Camera QUICK START GUIDE (CG6)</p>	<p>Dzees Wire-Free Security Camera CG6 Quick Start Guide</p> <p>A quick start guide for the Dzees Wire-Free Security Camera CG6, covering setup, features, and troubleshooting.</p>
 <p>Wire-Free Security Camera QUICK START GUIDE (CG6K)</p>	<p>Dzees Wire-Free Security Camera CG6K Quick Start Guide</p> <p>Get started with your Dzees Wire-Free Security Camera (CG6K). This guide provides setup instructions, features, and troubleshooting for your smart home security device.</p>