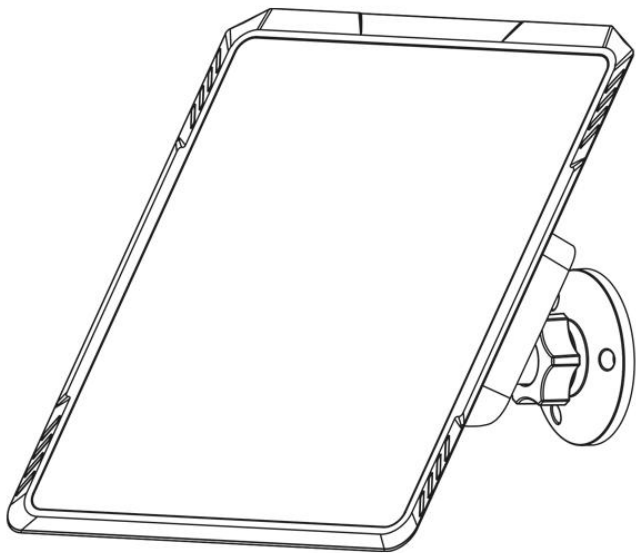


SOLAR PANEL



INSTRUCTION MANUAL

Model: SP350

Doc V1.0

1. IN THE BOX

1 x Solar Panel, 1 x DC output connector (4.0 x 1.7mm), 1 x DC output connector (5.5 x 2.1mm), 1 x Mounting Bracket, 3 x Screws, 1 x Instruction Manual

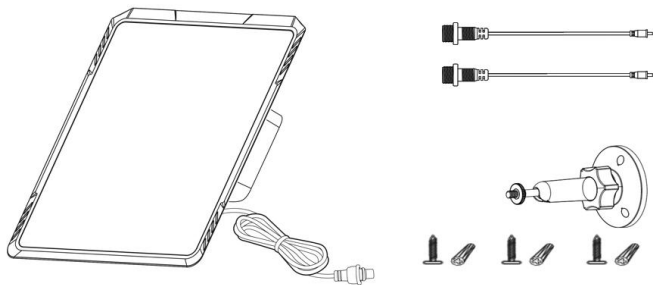


Figure 1: In The Box

2. IMPORTANT NOTE

The SP350 solar panel is designed to charge specified models of trail cameras. The solar panel has a built-in rechargeable lithium battery. When using the solar panel for the first time, please place it under direct sunlight or use a USB Type-C charger cable connected to a power adapter that outputs 5V (or has a 5V option) to ensure a full charge. *Note: the USB Type-C charger cable and the power adapter are not included in the package.*

Before using, we recommend carefully reviewing the product listing details page or consulting with the seller or dealer to ensure compatibility with your device. Please do not modify the panel or use it for any other power supply purposes.

3. USING THE SOLAR PANEL

3.1. About the Solar Panel

The bottom view of the solar panel are shown in *Figure 2*.

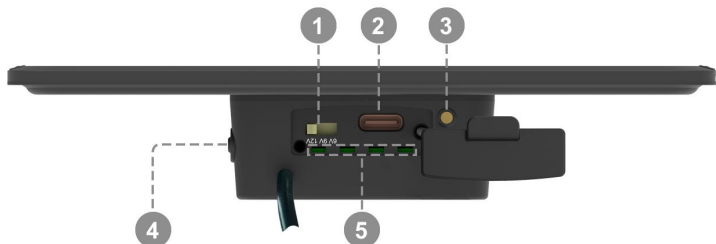


Figure 2: Bottom View

The features of the solar panel are as follows:

Icon	Description
1	Three-position voltage output switch. Switchable output voltage: 6V/9V/12V.
2	Type-C Charging Port. Limited charge voltage: 5V. Max. charging current: 2.4A.
3	Charging indicator. When the charging indicator light is on, it signifies that the solar panel is being charged either through the Type-C charging port or by converting sunlight.
4	Battery level detection button. Pressing this button will turn on the battery level indicators to check the battery power of the solar panel.

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Battery level indicators. These indicators display the battery power level of the solar panel. Each indicator represents 25% charge, 2 for 50%, 3 for 75%, with all four (4) indicators being illuminated to indicate a full charge.

3.2. Installing the Solar Panel

- Fully charge the built-in lithium battery before using the solar panel for the first time.
- Secure the mounting bracket to a tree or wall base.
- Attach the solar panel to the bracket and adjust its orientation to ensure optimal performance.
- To connect the power cable from the solar panel to the trail camera, please follow these steps:

1. Choose the appropriate DC cable that matches the camera's power jack, as shown in *Figure 3*. The plug with bigger size is 5.5 x 2.0mm.



Figure 3: Choose DC Cable

2. Connect the DC cable adapter to the power cable of the solar panel, as shown in *Figure 4*.



Figure 4: Connect the DC Cable Adapter

3. Insert the DC plug securely into the camera's power jack. Please ensure a strong connection by firmly rotating the DC plug to the end, as shown in *Figure 5*.



Figure 5: Insert the DC Plug

Notes: Please carefully review the list of compatible devices

on the product listing details page to ensure that the solar panel is compatible with your camera.

3.3. Using Tips

To make better use of solar panels, follow these tips:

- Install solar panels in a location that does not experience constant shading.
- In the northern hemisphere, panels should ideally face south, while in the southern hemisphere, panels should ideally face north.
- Sunlight intensity varies with weather and seasons, so adjust the solar panel's orientation in real-time for maximum sunlight exposure.
- Tilt the panel slightly to avoid leaves, water, or dust on its surface. Regularly clean the panel to remove fallen leaves, dust, and rain marks to prolong its service life.
- If panels are installed in areas with heavy snow, extreme cold, or strong winds, take proper measures to ensure reliability and safety.
- Avoid prolonged exposure to saltwater and do not submerge in salt or fresh water.

4. TECHNICAL SPECIFICATIONS

Item	Characteristics
Battery Capacity	5000mAh/3.7V
Solar Panel MAX Output Power	9.6W (12V/0.8A)
Output Voltage	6V, 9V or 12V
Output Current	1.5A (6V), 1A (9V), 0.8A (12V) <i>Note: Select the appropriate output</i>

	<i>voltage according to camera requirements</i>
Output Plug Size	5.5 x 2.1mm, 4.0 x 1.7mm
Power Adaptor <i>(Sold Separately)</i>	Type-C INPUT <i>(for Charging Solar Panel): 5V</i> <i>Note: the adaptor is not included.</i>
Mounting	Tripod Base (1/4-20)
Waterproof	IP65
Operation Temperature	-4 ~ 140°F / -20 ~ 60°C
Operation Humidity	5% - 95%
Product Dimensions	6.22 x 5.28 x 0.59 inch
Product Weight	255g

5. GENERAL WARNINGS

Strictly observes the following needing attention. The manufacturer and seller will not be responsible for any accidents occurred by handling outside of the precautions in this specification.

- Avoid puncturing or damaging the front or back sheet of the panel to prevent electric shock, fire, and injury.
- Do not disassemble the panel or remove any parts installed by the manufacturer to prevent electric shock, fire, and injury.
- Do not use or install broken panels to avoid electric shock, fire, and injury.
- Do not expose solar panels to mirrors, lenses, or other forms of sunlight concentration or light enhancement.

6. GENERAL PRECAUTIONS

6.1. General Safety Precautions

- To prevent electric shock, fire, and injury, avoid installing the panel in areas where flammable gases or vapors are present, as sparks may occur. Also, ensure that there are no sources of ignition near the batteries, such as smoking, sparks, or flames.

6.2. General Handling Precautions

- Before installing our panels, remove all metal jewelry to minimize the risk of accidental exposure to live circuits.
- Use insulated tools to lower the risk of electric shock.
- Avoid excessive pulling of the output cable, as this can cause the connection to become loose and result in a short circuit, open circuit, or electric shock.
- Do not scratch or hit the back or front sheet of the panel to prevent damage.
- Refrain from vigorously rubbing the plastic surface of the panel, as it may cause the plastic film to tear and result in an electric shock.
- Never touch the end of the output cables with bare hands when the panel is illuminated.

6.3. General Installation Precautions

- Avoid touching the solar panel during installation as its surface may be hot, which can cause burns or electric shock.
- Do not work on the solar panels if the terminals are wet to avoid the risk of electrical shock.
- Securely mount the panels to withstand expected loads, including wind and snow loads.

6.4. General Maintenance Precautions

- To avoid permanent damage to the plastic surface and reduced output power, do not expose panels to saltwater for an extended period.
- Avoid using any chemicals to clean panels and use plain water instead.
- Periodically clean panels with mild, non-abrasive cleaners and plain water to remove dirt, salt deposits, and other debris.
- Check the integrity of system wiring connections once a year and inspect for damage to panel surfaces or cables.