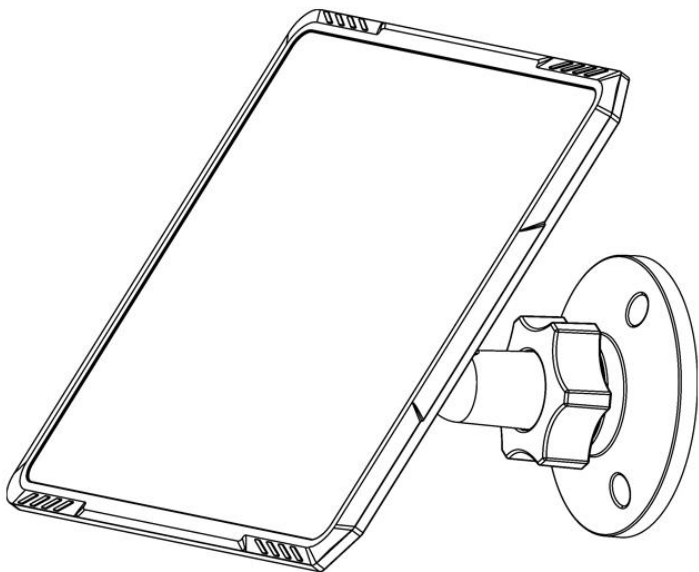


SOLAR PANEL



INSTRUCTION MANUAL

Model: SP300

Doc V1.0

1. IN THE BOX

1 x Solar Panel, 1 x Mounting Bracket, 3 x Screws, 1 x Instruction Manual

2. IMPORTANT NOTE

The SP300 solar panel is designed to charge specified models of trail cameras. Please note that it does NOT include a rechargeable battery or power storage.

Before using, we recommend carefully reviewing the product sales 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. Installing the Solar Panel

- 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.
- Connect the DC cable to the external power jack of the trail camera, which is typically located at the bottom of the camera.

Important Notes: Please ensure that the solar panel is compatible with your camera. The camera should have an indicator, either internally or on its surface, to display the charging status. Refer to the camera manufacturer's instruction manual for more information. For instance, some GardePro or Meidase trail camera models with internal lithium battery packs have an indicator on the battery pack itself. A red light indicates that the battery is charging, while a green light

indicates that it is fully charged.

3.2. *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 |
|-------------------------------------|----------------------|
| Solar Panel MAX Output Power | 3.5W |
| Output Voltage | 6.6V |
| MAX Output Current | 0.53A |
| Output Plug Size | 5.5 x 2.1mm |
| 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.