Nekteck SPOT-WARM-2P

Nekteck Solar Lights 2-in-1 Outdoor Spotlights User Manual

Model: SPOT-WARM-2P

1. Important Safety Information

Please read all instructions carefully before using the Nekteck Solar Lights. Retain this manual for future reference.

- Ensure the solar panel is exposed to direct sunlight for optimal charging.
- Do not dispose of batteries in fire, as they may explode.
- Keep the product away from open flames and extreme temperatures.
- Do not attempt to disassemble or modify the product, as this may void the warranty and cause damage.
- Keep out of reach of children.

2. Package Contents

Verify that all components are present in your package:



Image: Contents of the Nekteck Solar Spot Light package, showing two spotlights, spikes, screws, and a manual.

- 2 x Nekteck Solar Spot Lights
- 2 x Ground Spikes
- 6 x Mounting Screws
- 1 x User Manual

3. Product Overview

The Nekteck Solar Spot Light features a robust design for outdoor use. Key components include:



Image: Diagram illustrating the components of the Nekteck Solar Spot Light, including the monocrystalline silicon solar panel, 2200mAh rechargeable battery, 200 lumen LED lights, adjustable light head (90 degrees), adjustable solar panel (180 degrees), longer anti-rotation stake, and water groove design.

- **Solar Panel:** High-efficiency monocrystalline silicon panel for optimal charging.
- **LED Lights:** 4 bright LED bulbs providing 200 lumens of warm white light.
- **Rechargeable Battery:** Integrated 2200mAh Lithium Ion battery.
- **Adjustable Light Head:** Can be adjusted up to 90 degrees to direct light.
- **Adjustable Solar Panel:** Can be adjusted up to 180 degrees for maximum sun exposure.
- **Ground Stake:** For in-ground installation.
- **On/Off Button & Brightness Selector:** Located on the back of the solar panel.

4. Setup and Installation

The Nekteck Solar Lights offer two installation methods: ground-mounting and wall-mounting.

4.1 Ground-Mounting

1. **Activate the Light:** Locate the on/off button on the back of the solar panel and press it to turn the light "ON".
2. **Assemble:** Attach the ground spike to the bottom of the light unit.
3. **Adjust Angle:** Adjust the angle of the solar panel (up to 180 degrees) and the light head (up to 90 degrees) to your desired

position. Ensure the solar panel faces direct sunlight.

4. **Insert into Ground:** Firmly insert the assembled light into soft ground in a location that receives maximum direct sunlight throughout the day.



Image: Visual guide for both ground-mounting and wall-mounting. Ground-mounting steps show turning on the switch, adjusting angles, inserting the spike, and placing it in the ground. Wall-mounting steps show turning on the switch, adjusting angles, using screws, and mounting on a wall.

4.2 Wall-Mounting

1. **Activate the Light:** Locate the on/off button on the back of the solar panel and press it to turn the light "ON".
2. **Adjust Angle:** Adjust the angle of the solar panel (up to 180 degrees) and the light head (up to 90 degrees) to your desired position. Ensure the solar panel faces direct sunlight.
3. **Mark and Drill:** Choose a suitable wall location. Mark the positions for the mounting screws. Drill pilot holes if necessary.
4. **Mount:** Use the included screws to securely mount the light unit to the wall.

Important: For both installation types, ensure the solar panel is positioned to receive at least 6-8 hours of direct sunlight daily for optimal performance.

5. Operation

The Nekteck Solar Lights are designed for automatic operation with adjustable brightness settings.

5.1 Automatic On/Off Function



Image: Illustration showing the solar light charging during the daytime automatically and lighting up at night automatically.

The lights feature a built-in dusk-to-dawn sensor. Once activated (turned "ON" via the button on the back), the lights will automatically:

- Absorb sunlight and charge the internal battery during the day.
- Turn on automatically at dusk.
- Turn off automatically at dawn.

Note: Ensure the light's photocell is not obstructed or affected by other light sources at night, as this may prevent it from turning on.

5.2 Brightness Modes



Image: Depicts two brightness modes: Low Brightness Mode (10 hours duration) and High Brightness Mode (6 hours duration).

The lights offer two brightness settings. Press the on/off button on the back of the solar panel to cycle through the modes:

- **Low Brightness Mode:** Provides illumination for approximately 10 hours on a full charge.
- **High Brightness Mode:** Provides brighter illumination for approximately 6 hours on a full charge.

Select the mode that best suits your lighting needs and desired duration.

5.3 Adjusting Light and Solar Panel Angles



Image: Shows the Nekteck solar light with its solar panel adjustable up to 180 degrees and the light head adjustable up to 90 degrees, highlighting its independent adjustability for optimal sun absorption and light direction.

Both the solar panel and the light head are independently adjustable:

- Adjust the solar panel up to 180 degrees to maximize exposure to direct sunlight throughout the day.
- Adjust the light head up to 90 degrees to direct the light precisely where needed for illumination or accentuation.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your solar lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient sunlight absorption.
- **Battery Life:** The integrated Lithium Ion battery has a finite lifespan. Over time, its capacity may decrease, leading to shorter illumination times. Battery replacement may be necessary after several years of use. Consult Nekteck support for guidance on battery replacement.

- **Weather Resistance:** The lights are designed to be waterproof (IP64 rated) and resistant to heat, frost, rain, and snow. However, extreme weather conditions may temporarily affect performance.



Image: Illustrates the weather-resistant features of the Nekteck solar light, including heat resistance, IP64 waterproof rating, and frost resistance, with seasonal imagery.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	• Switch is OFF. • Insufficient sunlight exposure during the day. • Photocell is affected by other light sources (e.g., streetlights). • Battery is depleted or faulty.	• Ensure the switch on the back of the solar panel is in the "ON" position. • Relocate the light to an area with 6-8 hours of direct sunlight. • Ensure no other light sources interfere with the sensor. • Allow several days for charging. If problem persists, battery may need replacement.
Light illuminates for a short duration.	• Insufficient charge due to cloudy weather or poor solar panel placement. • Selected High Brightness Mode (shorter duration). • Battery capacity degradation over time.	• Ensure solar panel is clean and receives maximum direct sunlight. • Switch to Low Brightness Mode for longer illumination. • Consider battery replacement if the product is several years old.
Light appears dim.	• Solar panel is dirty. • Insufficient charge. • Selected Low Brightness Mode.	• Clean the solar panel. • Ensure optimal solar panel placement and charging. • Switch to High Brightness Mode.

8. Specifications

Brand	Nekteck
Model Number	SPOT-WARM-2P
Light Color	Warm White (3500 Kelvin)
Brightness	200 Lumens
Number of LEDs	4
Power Source	Solar Powered
Battery	1 x Lithium Ion (2200mAh)
Material	High-Quality Plastic, High-Efficiency Monocrystalline Silicon
Water Resistance Level	IP64 Waterproof
Product Dimensions	13.39"L x 11.42"W x 3.74"H
Voltage	3.7 Volts
Wattage	3.7 Watts
Certifications	CE, FCC, ROSH, MSDS, UN38.3

9. Warranty and Support

Nekteck products are designed for quality and reliability. For warranty information, technical support, or any inquiries regarding your product, please contact Nekteck customer service.
You can find more information and contact details on the official Nekteck website:www.nekteck.com

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