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› KOOPER DL-002 Solar Lantern Outdoor Lights User Manual

KOOPER DL-002

KOOPER DL-002 Solar Lantern Outdoor Lights User Manual

Model: DL-002 | Brand: KOOPER

1. INTRODUCTION

Thank you for choosing the KOOPER DL-002 Solar Lantern Outdoor Lights. These lanterns are designed to provide ambient lighting with a realistic flickering flame effect, powered entirely by solar energy. They are suitable for various outdoor settings, enhancing the aesthetic appeal of your garden, patio, or pathway. Please read this manual carefully to ensure proper installation, operation, and maintenance of your solar lanterns.



Figure 1: KOOPER DL-002 Solar Lanterns

2. PRODUCT FEATURES

- **Vivid Dancing Flames:** Mimics the appearance of real candle flames, creating a warm and inviting ambiance.
- **Upgraded Solar Panel:** Features a high-efficiency monocrystalline silicon solar panel with up to 25% energy conversion rate for faster charging.
- **Long Working Time:** Equipped with a 600mAh high-capacity battery, providing 8-12 hours of illumination after a full charge.
- **All-Weather Resistance:** IP65 waterproof rating ensures durability against rain, snow, frost, and sleet. Constructed from high-strength ABS material.
- **Automatic Operation:** Automatically turns on at dusk and off at dawn, offering convenience and energy saving.
- **Versatile Installation:** Can be hung using the integrated hanging ring or placed on flat surfaces like tabletops or ledges.



Figure 2: Vivid Dancing Flame Effect

3. PACKAGE CONTENTS

Upon opening your package, please verify that all items are present and in good condition:

- 4 x KOOPER Solar Lanterns
- 1 x User Manual

4. SAFETY INFORMATION

- Do not attempt to disassemble or modify the product. This may cause damage and void the warranty.
- Keep the product away from open flames or extreme heat sources.
- Ensure the solar panel is clean and free from obstructions for optimal charging.
- Dispose of batteries according to local regulations.
- This product is designed for outdoor use and is waterproof (IP65). However, avoid submerging it in water for extended periods.

5. SETUP INSTRUCTIONS

Follow these steps for initial setup:

1. **Unpack:** Carefully remove the solar lanterns from their packaging.
 2. **Activate:** Locate the ON/OFF switch on the underside of the solar panel. Slide the switch to the "ON" position.
 3. **Initial Charge:** Place the lanterns in a location where the solar panel can receive direct sunlight for at least 6-8 hours. This initial charge is crucial for optimal performance.
 4. **Placement:** Choose a suitable outdoor location for your lanterns. They can be hung from branches, pergolas, or shepherd hooks using the integrated hanging ring, or placed on any flat surface. Ensure the solar panel is exposed to direct sunlight during the day.
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Solar Lantern Outdoor Lights



Classic Design

Simple and elegant hollow design, easy to enjoy the dancing flames



Vivid Charming Flame

Looks like real dancing flames and creates a pleasant atmosphere

Figure 3: High-Efficient Solar Panel

High-efficient Solar Panel

Kindly Note: Make Sure the Switch Button is in ON Position

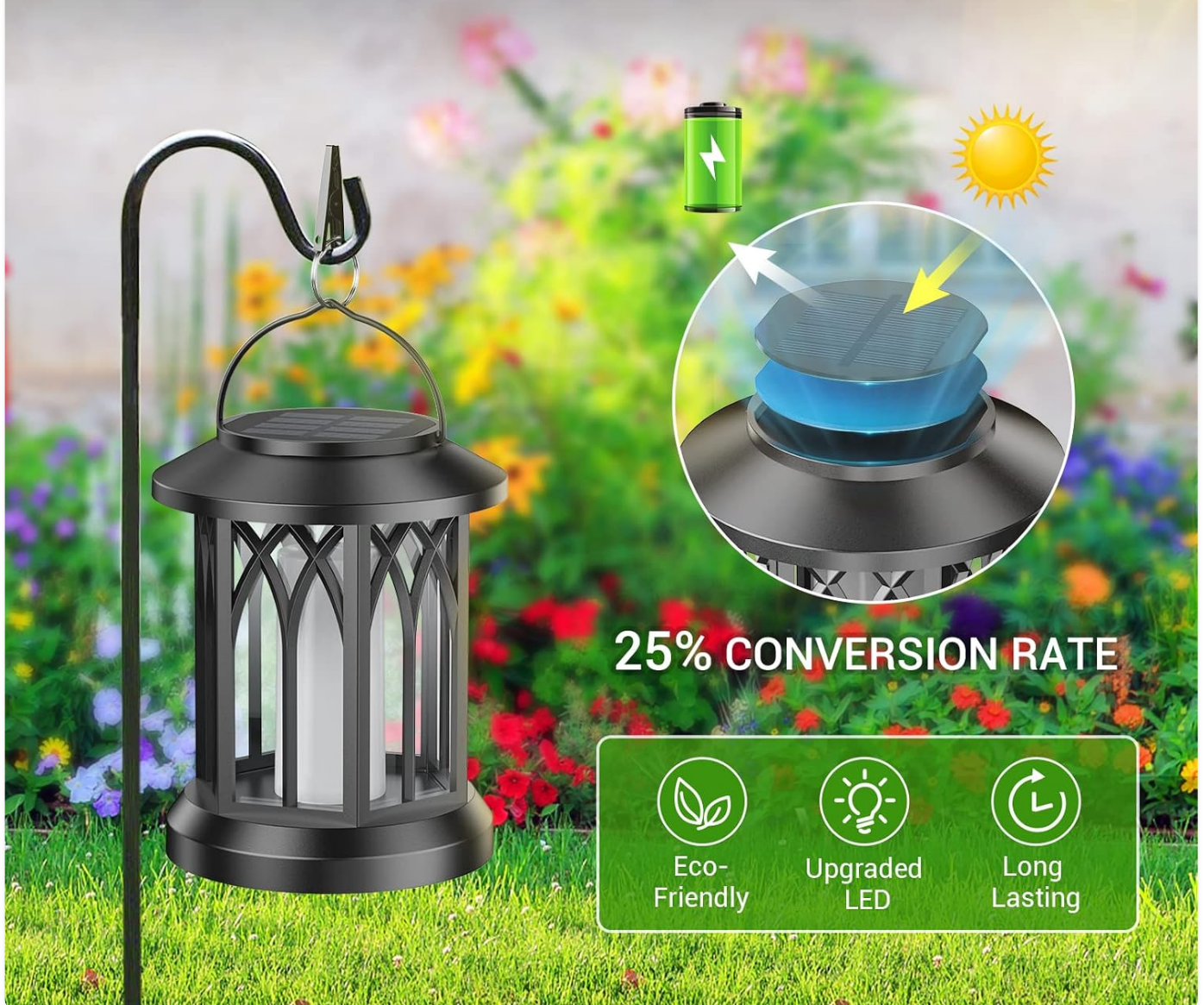


Figure 4: Auto Charging and Working Cycle

6. OPERATING INSTRUCTIONS

Once properly set up and charged, your KOOPER Solar Lanterns will operate automatically:

- **Automatic On/Off:** The built-in light sensor will detect ambient light levels. The lanterns will automatically illuminate at dusk and turn off at dawn.
- **Flickering Effect:** The LED lights are designed to produce a realistic flickering flame effect, providing a warm and inviting glow.



Figure 5: Multiple Ways to Install and Hang

7. MAINTENANCE

To ensure the longevity and optimal performance of your solar lanterns, consider the following maintenance tips:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient sunlight absorption.
- **Clear Obstructions:** Ensure no leaves, branches, or other objects are shading the solar panel during the day.
- **Seasonal Storage:** If storing the lanterns for an extended period, ensure they are fully charged and the switch is in the "OFF" position. Store them in a cool, dry place.
- **Battery:** The lanterns use 1 AA Nickel-Metal Hydride (Ni-MH) rechargeable battery. While designed for long life, if performance significantly degrades over time, the battery may need replacement by a qualified technician as it might be soldered in.

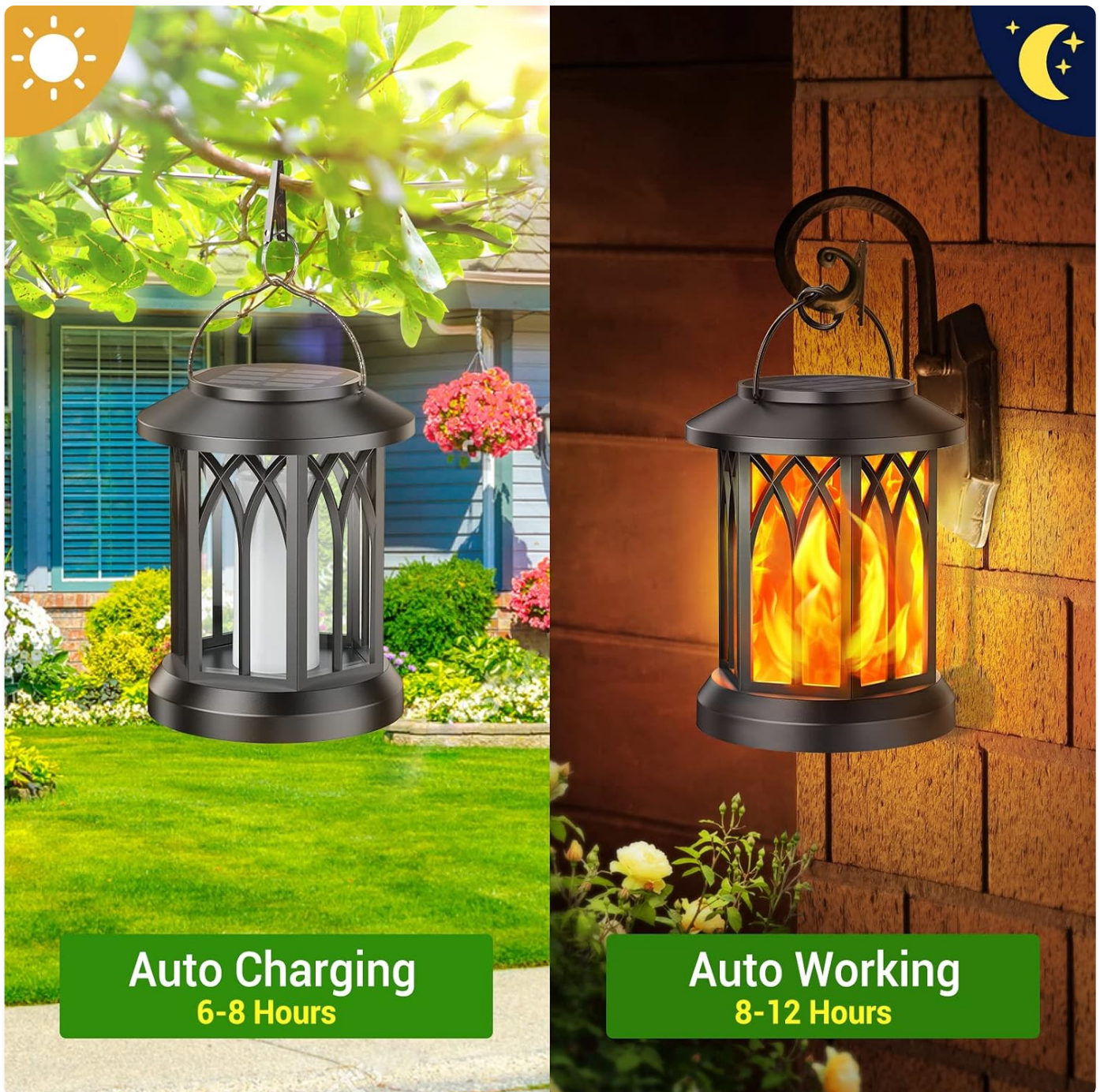


Figure 6: All-Weather Resistance

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lantern does not light up at night.	1. Switch is OFF. 2. Insufficient sunlight for charging. 3. Solar panel is dirty or obstructed. 4. Battery is depleted or faulty.	1. Ensure the switch is in the "ON" position. 2. Relocate the lantern to an area with direct sunlight for 6-8 hours. 3. Clean the solar panel. Remove any obstructions. 4. Allow several days of full charge. If problem persists, battery may need professional replacement.

Problem	Possible Cause	Solution
Light is dim or lasts for a short duration.	1. Insufficient charging time. 2. Solar panel is dirty or partially shaded. 3. Battery capacity reduced due to age or cold weather.	1. Ensure the lantern receives full direct sunlight for 6-8 hours daily. 2. Clean the solar panel and ensure no shading. 3. Battery performance can be affected by extreme temperatures. Allow for warmer conditions or consider professional battery replacement if significantly degraded.

9. SPECIFICATIONS

Feature	Specification
Model Number	DL-002
Brand	KOOPER
Product Dimensions	5.04"L x 1"W x 6.18"H
Item Weight	11.2 ounces
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Solar Powered
Light Source Type	Light Emitting Diode (LED)
Battery Type	1 AA Nickel-Metal Hydride (Ni-MH) rechargeable battery (required)
Battery Life	Up to 10-12 Hours (after full charge)
Water Resistance Level	IP65 Waterproof
Finish Type	Polished
Number of Lights	4 (per pack)

10. WARRANTY AND SUPPORT

For warranty information or customer support, please refer to the product packaging or contact KOOPER customer service directly through their official channels. Keep your purchase receipt for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question