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> KagoLing Solar Lantern Outdoor Waterproof (Model LZD) User Manual

KagoLing LZD

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User Manual

INTRODUCTION

Thank you for choosing the KagoLing Solar Lantern. This manual provides essential information for the proper setup, operation, and maintenance of your solar lanterns. Please read these instructions carefully before use to ensure optimal performance and longevity of your product.

PACKAGE CONTENTS

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

- Solar Lantern Unit (with integrated solar panel and LED bulb)
- Hanging Chain with Hook



Image: Detailed view of the KagoLing Solar Lantern components, highlighting the solar panel, LED bulb, on/off switch, and hanging accessories.

PRODUCT FEATURES

- **Solar Powered:** Each lantern includes an 800mAh battery, charging during the day and illuminating automatically at night.
- **Durable & Weatherproof:** Constructed from quality metal material with an IP65 waterproof rating, ensuring resistance to rain, heat, frost, and snow.
- **Energy Efficient:** No external electricity cost or wiring required. Converts solar energy into electrical energy.
- **Long Illumination:** Provides 12-14 hours of light on a full charge, depending on direct sunlight exposure.
- **Automatic Operation:** Features a dusk-to-dawn sensor, automatically turning on at dusk and off at dawn.
- **Easy Installation:** Designed for quick and simple setup, suitable for hanging or tabletop placement.



Image: Visual representation of the KagoLing Solar Lantern's key features, including energy efficiency, extended lighting duration, IP65 waterproofing, and frost resistance.

SETUP INSTRUCTIONS

1. **Activate the Lantern:** Upon receiving your solar lantern, locate the 'ON/OFF' switch on the underside of the solar panel unit. Press the button to the 'ON' position for first use.
2. **Placement for Charging:** Install the lantern in an outdoor area where the solar panel can receive direct sunlight for 6-8 hours daily. Adequate sunlight is crucial for optimal charging and night-time illumination.
3. **Hanging or Placement:** Use the provided hanging chain and hook to suspend the lantern from a tree, hook, or other suitable structure. Alternatively, place the lantern on a tabletop or flat surface.



Image: The ON/OFF switch on the solar panel unit, essential for activating the lantern before its first use. Also shows product dimensions.

OPERATING INSTRUCTIONS

Once properly set up and charged, your KagoLing Solar Lantern operates automatically:

- **Automatic Illumination:** The built-in light sensor will detect ambient light levels. The lantern will automatically turn on at dusk and turn off at dawn.
- **Charging Cycle:** The solar panels convert sunlight into electrical energy during the day, storing it in the internal 800mAh battery.
- **Illumination Duration:** A full charge (6-8 hours of direct sunlight) typically provides 12-14 hours of continuous lighting. Actual lighting time may vary based on the intensity and duration of sunlight received.



Image: Two KagoLing Solar Lanterns providing warm illumination in an outdoor setting at night, showcasing their automatic operation.

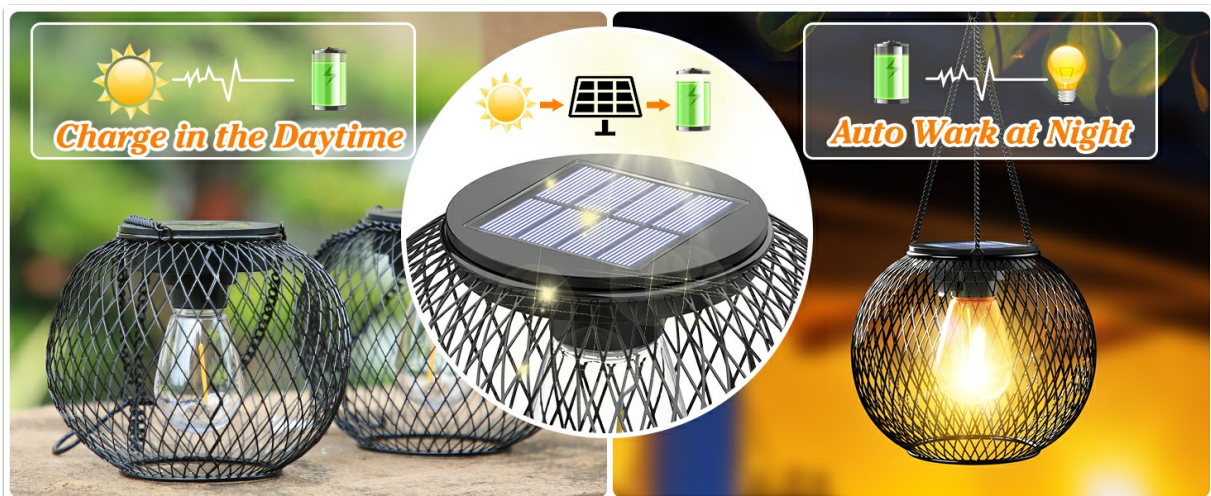


Image: An illustration detailing the solar lantern's operational cycle, from charging in daylight to automatically lighting up at night.

MAINTENANCE

To ensure your KagoLing Solar Lanterns continue to function effectively, follow these simple maintenance guidelines:

- **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 and charging.
- **Battery Care:** The lantern uses 1 AAA Nickel-Metal Hydride battery. While designed for longevity, if you notice a significant decrease in performance over time, the battery may need replacement. Ensure to use a rechargeable AAA Ni-MH battery of the same specification.
- **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.

TROUBLESHOOTING

If your KagoLing Solar Lantern is not performing as expected, consider the following common issues and solutions:

- **Lantern Not Lighting Up:**
 - Ensure the 'ON/OFF' switch is in the 'ON' position.
 - Verify the solar panel is receiving at least 6-8 hours of direct sunlight daily. Obstructions like tree branches or buildings can reduce charging efficiency.
 - Test the lantern in a completely dark environment. The light sensor may prevent illumination in areas with residual light.
- **Short Illumination Time:**
 - Insufficient sunlight during the day is the most common cause. Relocate the lantern to a sunnier spot.
 - Clean the solar panel to ensure maximum light absorption.
 - The battery may be nearing the end of its lifespan. Consider replacing the AAA Ni-MH battery.

If these steps do not resolve the issue, please contact KagoLing customer support for further assistance.

SPECIFICATIONS

Product Name	Solar Lantern Light
Brand	KagoLing
Model Number	LZD
Solar Panel	2V/0.3W
Battery	Ni-MH battery AA800mAh 1.2V (1 AAA battery required)
Charging Time	6-8 hours (direct sunlight)
Working Time	12-14 hours
Material	ABS+PP+PS, Aluminum, Metal
Waterproof Class	IP65
Voltage	2.0 Volts

Light Source Type	Light Emitting Diode (LED)
Bulb Features	Warm Glow, Dusk-to-Dawn
Product Dimensions	5.71"L x 5.12"W x 5.71"H
Item Weight	1.01 pounds

WARRANTY AND SUPPORT

KagoLing is committed to providing high-quality products. While specific warranty details are not provided in this manual, if you encounter any issues or have questions regarding your solar lanterns, please do not hesitate to contact KagoLing customer support. We are dedicated to assisting you with a satisfactory solution.