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› Energizer YSLN31 Hybrid Solar Lantern User Manual

Energizer E304062402

Energizer YSLN31 Hybrid Solar Lantern User Manual

Model: E304062402

INTRODUCTION

Illuminate your surroundings effortlessly with the Energizer YSLN31 Hybrid Solar Lantern. This high-performance LED lamp provides powerful, bright 360-degree illumination, ideal for DIY projects, outdoor activities, emergencies, and more. With a robust design and versatile power options, it ensures reliable lighting whenever you need it.





Figure 1: The Energizer YSLN31 Hybrid Solar Lantern, showcasing its compact and durable design.

KEY FEATURES

- **Hybrid Power:** Can be charged via USB or the integrated solar panel. Also supports 3 primary AA batteries for backup power.
- **High Performance LED:** Delivers 500 lumens of powerful, 360-degree illumination.
- **Multiple Lighting Modes:** Choose between High, Low, and Night Light modes. Features a recall mode to quickly access the last used setting.
- **Extended Runtime:** Provides up to 8 hours of light in low mode with the lithium-ion battery.
- **Smart Design:** Includes a comfortable handle for easy transport, a hanging hook for hands-free use, and a glow-in-the-dark USB port cover.
- **Durable Construction:** IPX4 water-resistant design with a shatterproof lens, capable of withstanding drops up to one meter.

Figure 2: Front view of the product packaging, highlighting the 500 lumens output and hybrid charging capabilities (solar panel or USB, and 3 AA batteries).

PACKAGE CONTENTS

The Energizer YSLN31 Hybrid Solar Lantern package includes:

- 1 x Energizer YSLN31 Hybrid Solar Lantern
- 1 x Rechargeable Lithium-ion Battery (pre-installed)
- 3 x AA Batteries (included for backup power)
- 1 x USB Charging Cable

SETUP

1. Battery Installation (AA Batteries)

1. Locate the battery compartment cover at the bottom of the lantern.
2. Twist or slide the cover to open it.
3. Insert 3 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

Note: The primary lithium-ion battery is pre-installed and rechargeable. The AA batteries serve as a backup power source.

2. Charging the Lithium-ion Battery

The lantern's internal lithium-ion battery can be charged using two methods:

- **USB Charging:**
 - a. Locate the USB charging port, typically covered by a glow-in-the-dark cap.
 - b. Connect the provided USB charging cable to the lantern's port.
 - c. Connect the other end of the USB cable to a standard USB power adapter (not included) or a computer USB port.
 - d. The charging indicator light (if present) will show the charging status.
- **Solar Charging:**
 - a. Place the lantern in direct sunlight, ensuring the solar panel (located on top) is fully exposed.
 - b. Solar charging is slower than USB charging and is best used for maintaining charge or for emergency charging in outdoor environments.

It is recommended to fully charge the lantern via USB before first use.

OPERATING INSTRUCTIONS

1. Power On/Off and Mode Selection

The lantern features a single power button for easy operation.

- **To Turn On:** Press the power button once. The lantern will turn on in the last used mode (recall mode).
- **To Cycle Modes:** Press the power button repeatedly to cycle through the available lighting modes:
 - High Light (500 lumens)

- Low Light
 - Night Light
- **To Turn Off:** Continue pressing the power button until the lantern turns off, or press and hold the button for a few seconds in any mode.

2. Placement and Usage

- **Freestanding:** Place the lantern on any flat, stable surface for 360-degree area illumination.
- **Hanging:** Utilize the integrated hanging hook for hands-free lighting. This is ideal for tents, workshops, or outdoor shelters.





Figure 3: Back view of the product packaging, illustrating features like the hanging hook, waterproof design, and three lighting modes. Also shows battery insertion details.

MAINTENANCE

1. Cleaning

To maintain the performance and appearance of your lantern:

- Wipe the exterior of the lantern with a soft, damp cloth.
- Do not use abrasive cleaners or solvents, as these may damage the finish or lens.
- Ensure the solar panel is clean and free of dust or debris for optimal charging efficiency.

2. Battery Care

- For the rechargeable lithium-ion battery, avoid fully discharging it frequently to prolong its lifespan. Recharge it regularly, especially if storing the lantern for extended periods.
- If using AA batteries, remove them if the lantern will not be used for a long time to prevent leakage and damage.
- Dispose of depleted batteries responsibly according to local regulations. For general lighting safety information, you may visit: <https://uqr.to/lightingsafety>

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lantern does not turn on.	Battery is depleted (lithium-ion or AA).	Charge the lantern via USB or solar. Replace AA batteries if using them.
Solar charging is slow or ineffective.	Insufficient direct sunlight; solar panel is dirty or obstructed.	Place the lantern in direct, unobstructed sunlight. Clean the solar panel.
Light output is dim.	Low battery charge; lantern is in low or night light mode.	Recharge the battery. Cycle through modes to select High Light.

Problem	Possible Cause	Solution
USB charging not working.	Faulty USB cable or power source; USB port is dirty.	Try a different USB cable or power adapter. Clean the USB port gently.

SPECIFICATIONS

Feature	Detail
Model Number	E304062402
Brand	Energizer
Light Source Type	LED (Light Emitting Diode)
Luminosity	500 lumens
Power Source	Battery Powered (Rechargeable Lithium-ion, 3 AA Alkaline)
Battery Life (Low Mode)	Up to 8 hours (with lithium-ion battery)
Voltage	4.5 Volts
Material	Plastic
Finish Type	Powder Coated
Color	Green
Water Resistance Level	IPX4 (Waterproof)
Product Dimensions (L x W x H)	9.5 x 9.5 x 18.6 cm
Item Weight	460 grams

WARRANTY AND SUPPORT

Energizer products are manufactured to high quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Energizer website. For technical support or customer service inquiries, please contact Energizer customer support through their official channels.

For general lighting safety information, you may visit: <https://uqr.to/lightingsafety>

Product UPC: **7638900449648**

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