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› Permande Solar Torch Lights User Manual

## Permande SL33

# Permande Solar Torch Lights with Flickering Flame - User Manual

Model: SL33 (8 Pack)

## INTRODUCTION

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Thank you for choosing Permande Solar Torch Lights. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your solar torch lights. Please read this manual thoroughly before use and retain it for future reference.



*Image: Permande Solar Torch Lights (8 Pack)*

## PRODUCT COMPONENTS

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Each Permande Solar Torch Light unit consists of the following parts:

- Torch Light Head (with 33 LEDs and Solar Panel)
- Ground Stake
- Ground Spike
- User Manual (this document)
- AAA Batteries (pre-installed)



*Image: Exploded view of Solar Torch Light components*

## SETUP AND INSTALLATION

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The Permande Solar Torch Lights are designed for easy assembly and installation. No wiring is required.

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Assemble the Torch:** Connect the torch light head with the ground stake. Ensure a secure fit.
3. **Attach the Spike:** Connect the ground spike to the bottom of the ground stake.
4. **Activate the Light:** Locate the ON/OFF switch, usually on the underside of the torch light head or near the solar panel. Switch it to the "ON" position. The light will automatically charge during the day and illuminate at night.

5. **Choose Location:** Select a location outdoors that receives direct sunlight for at least 6-8 hours daily. This is crucial for optimal charging and performance.
6. **Install in Ground:** Insert the assembled torch light into soft earth. Ensure the solar panel is unobstructed and facing upwards to maximize sun exposure.

## Easy assembly & installing

1. Connect torch light with rod and spike.
2. Insert the lamp to the soft earth with the direct sunlight.

## Replaceable :

1. Missing Parts
2. Cannot work
3. Came broken lights

Contact us for replacement, needn't return the previous one.



58cm/22.8inch

Image: Assembly and Installation Guide

## OPERATING INSTRUCTIONS

The Permande Solar Torch Lights operate automatically once installed and activated.

- **Automatic Charging:** The integrated solar panel will automatically charge the internal 600mAh rechargeable battery during daylight hours when exposed to direct sunlight. Charging time is approximately 8 hours for a full charge.
- **Automatic Illumination:** A built-in light sensor detects ambient light levels. At dusk, the torch lights will automatically turn on, displaying the flickering flame effect. At dawn, they will automatically turn off and begin charging again.
- **Operating Duration:** After a full charge, the lights can illuminate for 8-12 hours in summer and 4-6 hours in

winter, depending on sunlight exposure and charge level.

- **Flickering Flame Effect:** The 33 LEDs within each torch light are designed to cast a realistic, smokeless, and safe flickering flame effect, enhancing the ambiance of your outdoor space.



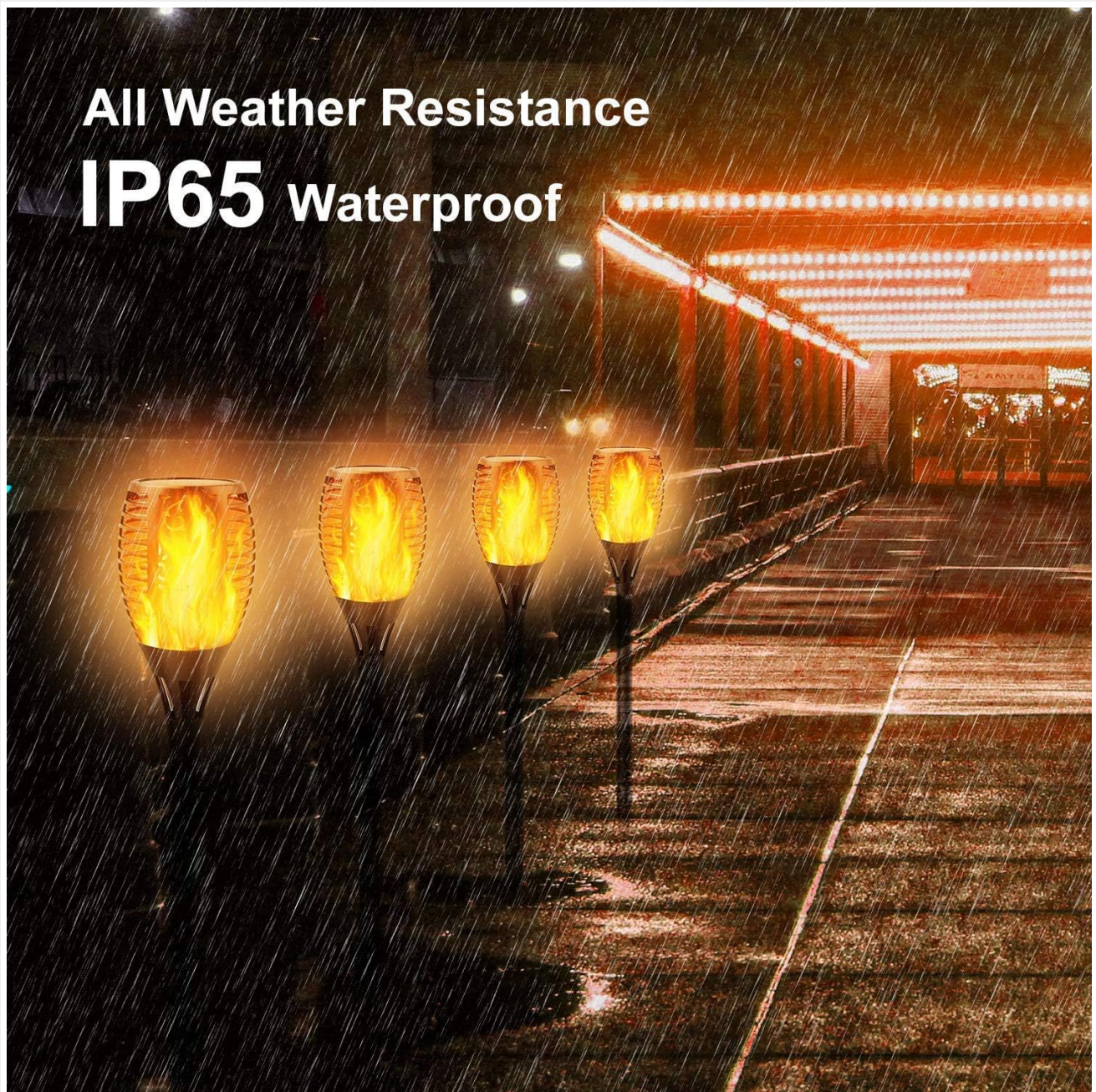
*Image: Automatic Charging and Lighting Cycle*

## MAINTENANCE

To ensure the longevity and optimal performance of your Permande Solar Torch Lights, follow these simple maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and efficient charging.
- **Clear Obstructions:** Ensure that no leaves, branches, or other objects are blocking the solar panel's exposure to direct sunlight.
- **Battery Replacement:** The included AAA batteries are rechargeable. If the lights' performance significantly diminishes over time, the rechargeable battery may need replacement. Use only rechargeable AAA batteries of the same type and capacity.

- **Weather Resistance:** The lights are IP65 waterproof and designed to withstand various weather conditions (rain, snow, frost). However, during extreme weather events, it is advisable to bring them indoors to prevent potential damage.



*Image: Weather Resistance of Solar Torch Lights*

## TROUBLESHOOTING

If your solar torch lights are not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none"> <li>ON/OFF switch is in "OFF" position.</li> <li>Insufficient sunlight for charging.</li> <li>Solar panel is dirty or obstructed.</li> <li>Battery is depleted or faulty.</li> <li>Ambient light is too bright (sensor not activating).</li> </ul>	<ul style="list-style-type: none"> <li>Ensure switch is in "ON" position.</li> <li>Relocate the light to an area with more direct sunlight.</li> <li>Clean the solar panel and remove any obstructions.</li> <li>Allow several days of full charge. If issue persists, consider replacing the rechargeable battery.</li> <li>Ensure the light is not placed near other bright light sources at night.</li> </ul>
Light duration is shorter than expected.	<ul style="list-style-type: none"> <li>Insufficient charging time/sunlight.</li> <li>Battery capacity reduced due to age or cold weather.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure optimal sunlight exposure for 8 hours daily.</li> <li>Batteries perform less efficiently in cold temperatures. Consider replacing old batteries.</li> </ul>
Flickering effect is inconsistent or weak.	<ul style="list-style-type: none"> <li>Low battery charge.</li> <li>LEDs are faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Allow the light to fully charge in direct sunlight.</li> <li>If the issue persists after full charge, contact customer support.</li> </ul>

## PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Permande
Model Name	solar torch lights
Item Model Number	SL33
ASIN	B07VRD4XJP
Size	8 pack
Color	Black
Material	Acrylonitrile Butadiene Styrene (Plastic)
Product Dimensions	4"L x 4"W x 23"H
Item Weight	4.6 ounces (per torch)
Power Source	Solar Powered
Light Source Type	LED (33 LEDs per torch)
Light Color	Warm (Flickering Flame Effect)
Brightness	30 Lumen
Voltage	1.2 Volts
Wattage	2 watts

Feature	Detail
Batteries	1 AAA rechargeable battery required (included)
Control Method	Remote / Push Button (Automatic Dusk-to-Dawn Operation)
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP65 Waterproof
Assembly Required	Yes
Included Components	Solar torches, spikes, stakes, manual. Batteries included.
UPC	824007512843

## WARRANTY AND SUPPORT

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Permande provides a limited warranty for this product.

- **Warranty Period:** The product is covered by a one-year warranty from the date of purchase.
- **Coverage:** This warranty covers manufacturing defects and issues preventing the product from functioning as intended.
- **Exclusions:** The warranty does not cover damage caused by misuse, improper installation, unauthorized modifications, or extreme weather conditions beyond the product's specified resistance.
- **Customer Support:** If you encounter any issues with your Permande Solar Torch Lights, including missing parts, non-functionality, or broken lights, please contact Permande customer service. Do not return the product without prior contact.
- **Contact Information:** For support, please refer to the contact details provided on the product packaging or the official Permande website.

## SAFETY INFORMATION

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- Keep out of reach of small children.
- Do not attempt to open or modify the solar panel or battery compartment beyond standard battery replacement.
- Dispose of old batteries according to local regulations.
- Ensure the ground spike is firmly inserted into the ground to prevent the torch from falling over.
- Do not place the lights near open flames or heat sources.