MEIHUA MH-SL-SP06

MEIHUA MH-SL-SP06 6-in-1 Solar Landscape Spotlights User Manual

Model: MH-SL-SP06

1. INTRODUCTION

Thank you for choosing the MEIHUA MH-SL-SP06 6-in-1 Solar Landscape Spotlights. This product is designed to provide efficient and versatile outdoor lighting using solar power. It features adjustable brightness, multiple lighting modes, and a durable, waterproof design suitable for various outdoor environments.

Image 1.1: Overview of the MEIHUA 6-in-1 Solar Landscape Spotlights system.

2. SAFETY INSTRUCTIONS

- Ensure the solar panel is installed in an area that receives direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the product, as this may void the warranty and pose safety risks.
- Keep the product away from open flames or extreme heat sources.
- Handle the cables carefully to avoid damage during installation.
- This product is designed for outdoor use and is IP66 waterproof. However, avoid submerging the control box in water.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x Solar Panel with Ground Stake
- 1x Control Box with Integrated Battery
- 6x LED Spotlights
- Connecting Cables (pre-attached to spotlights and control box)

- Mounting Hardware (screws, wall anchors)
- User Manual

4. PRODUCT FEATURES

- **Adjustable Brightness:** Three levels (High, Medium, Low) for varied lighting needs.
- **Multiple Lighting Modes:** Static, Strobe, and Breathing modes available.
- **Automatic Operation:** Lights charge automatically during the day and illuminate at night.
- **High Capacity Battery:** 6000mAh battery ensures extended illumination.
- **Power Indicator:** Check remaining battery power (30%, 70%, 100%) on the control box.
- **Flexible Installation:** Can be installed in-ground or wall-mounted.
- **Durable Design:** IP66 waterproof rating for reliable outdoor performance in various weather conditions.
- **Warm White Light:** 2700K color temperature for a pleasant ambiance.
- **Adjustable Spotlights:** Each lamp head rotates 180 degrees for precise light direction.

5. SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of your solar spotlights.

5.1 Solar Panel Placement

The solar panel must be installed in an open, unobstructed area where it can receive 8-10 hours of direct sunlight daily. Avoid shaded areas from trees, buildings, or other structures.

5.2 Spotlight Installation

The spotlights offer two installation methods:

- **Ground Insertion:** Attach the ground stake to the spotlight and firmly insert it into soft ground.
- **Wall Mounting:** Use the provided screws and wall anchors to secure the spotlights to a wall or fence.

The lamp heads can be rotated 180 degrees to direct light as needed.

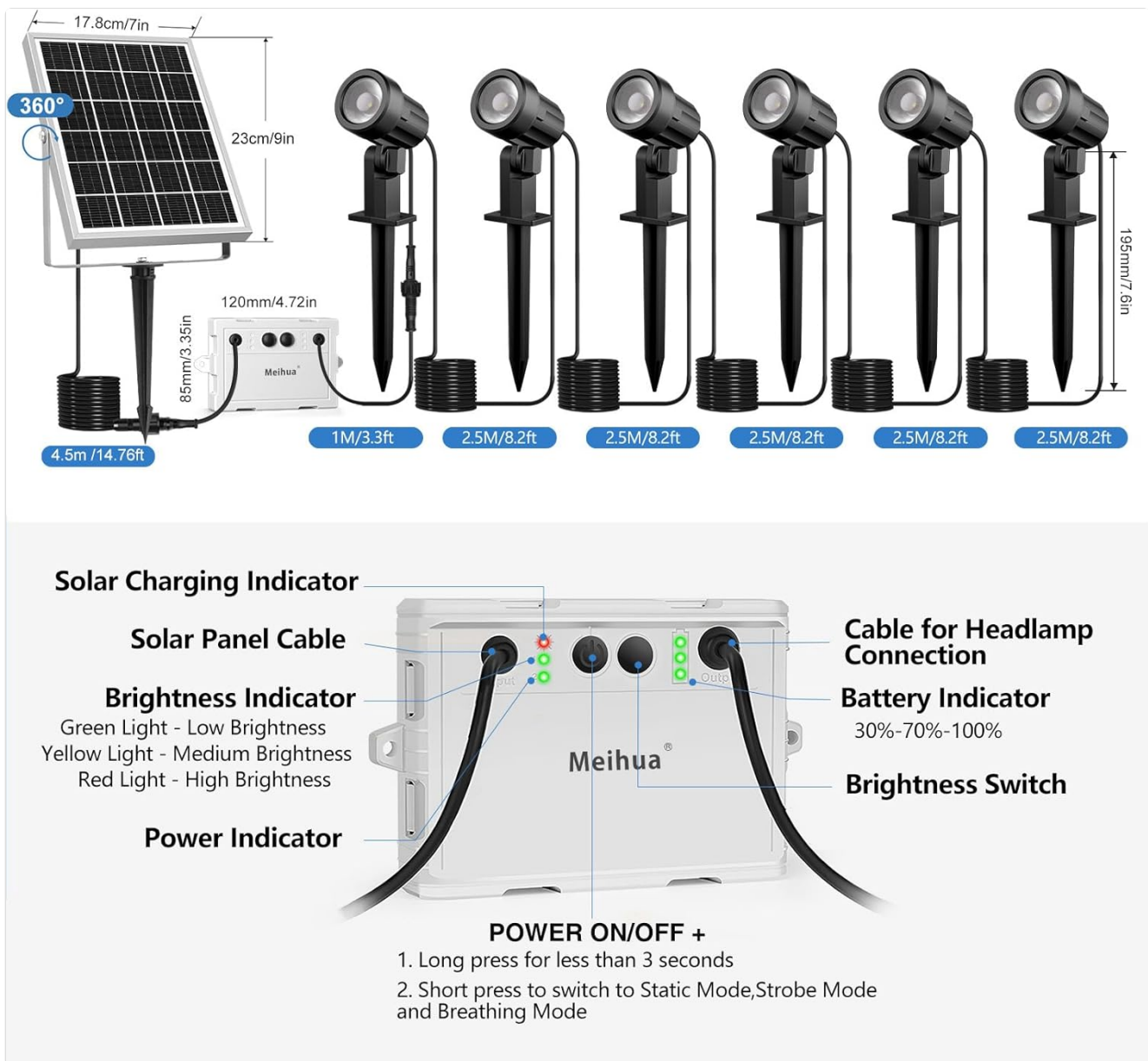Image 5.1: Installation options for the spotlights.

17.8cm/7in

360°

23cm/9in

120mm/4.72in

85mm/3.35in

195mm/7.6in

4.5m /14.76ft

1M/3.3ft **2.5M/8.2ft** **2.5M/8.2ft** **2.5M/8.2ft** **2.5M/8.2ft** **2.5M/8.2ft**

Solar Charging Indicator

Solar Panel Cable

Brightness Indicator
Green Light - Low Brightness
Yellow Light - Medium Brightness
Red Light - High Brightness

Power Indicator

Cable for Headlamp Connection

Battery Indicator
30%-70%-100%

Brightness Switch

Meihua®

POWER ON/OFF +
1. Long press for less than 3 seconds
2. Short press to switch to Static Mode,Strobe Mode and Breathing Mode

Image 5.2: Product dimensions and cable lengths for planning installation.

5.3 Connecting Components

Connect the solar panel cable and the spotlight cables to the designated ports on the control box. Ensure connections are secure.
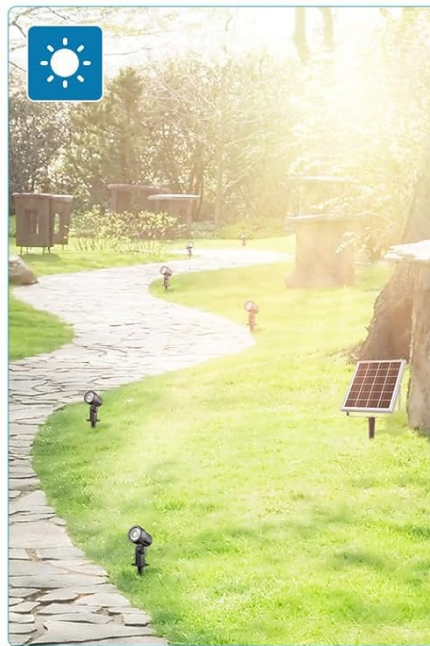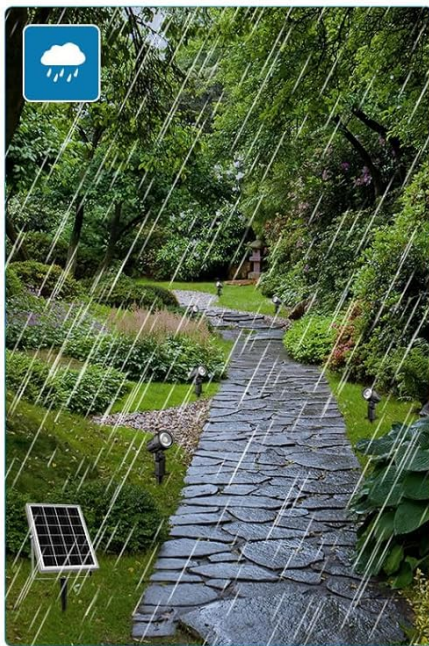
Image 5.3: Control box connections and indicators.

6. OPERATION

The MEIHUA solar spotlights are designed for ease of use with automatic and manual control options.

6.1 Automatic Functionality

The system automatically charges the battery during daylight hours when the solar panel is exposed to sunlight. At night, the spotlights will automatically turn on.

6.2 Power On/Off and Mode Selection

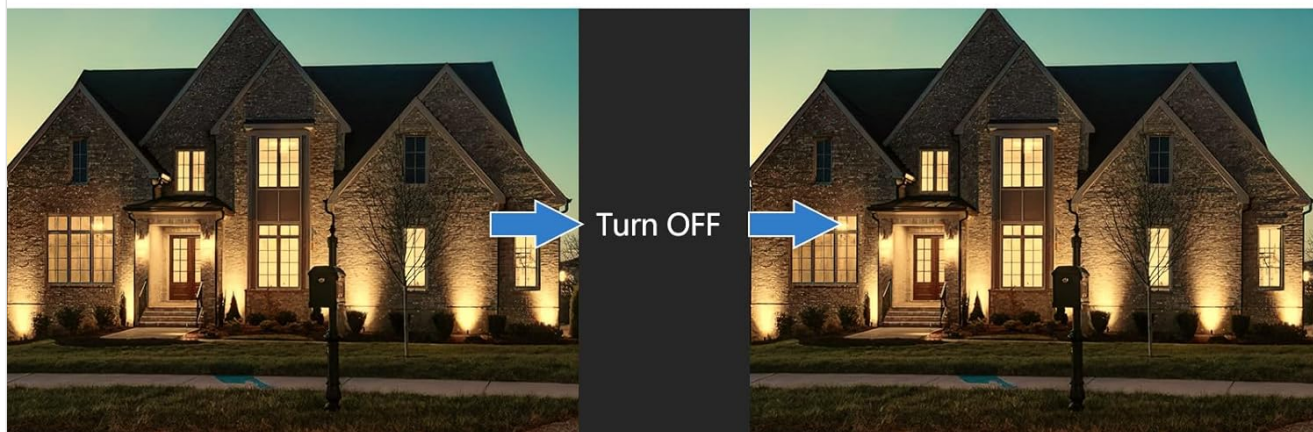Locate the buttons on the control box:

- **POWER ON/OFF:** Long press for less than 3 seconds to turn the unit on or off.
- **Brightness Switch:** Short press to cycle through the three lighting modes: Static Mode, Strobe Mode, and Breathing Mode.

The system includes a memory function, which will activate the last selected setting the next time the light is

restarted.

Image 6.1: Available lighting modes and memory function.

6.3 Brightness Settings

The spotlights offer three brightness levels, each with a different estimated duration on a full charge:

- **High Brightness:** Up to 8 hours of illumination.
- **Medium Brightness:** Up to 12 hours of illumination.
- **Low Brightness:** Up to 20 hours of illumination.

High Brightness: when fully charged, the light can last for 8H

Medium Brightness: when fully charged, the light can last for 12H

Low Brightness: when fully charged, the light can last for 20H

Image 6.2: Brightness levels and battery life.

6.4 Battery Indicator

The control box features indicator lights to show the remaining battery capacity: 30%, 70%, and 100%.

Your browser does not support the video tag.

Video 6.1: Demonstration of spotlight rotation, brightness levels, lighting modes (flash, smooth), and IP66 waterproof feature. This video also shows various application scenarios.

7. MAINTENANCE

Regular maintenance helps ensure the optimal performance of your solar spotlights.

- **Solar Panel Cleaning:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency.
- **Spotlight Cleaning:** Clean the spotlight lenses as needed to maintain light output.
- **Cable Inspection:** Regularly check cables for any signs of wear or damage.

Image 7.1: The IP66 waterproof design ensures durability in various weather conditions.

8. TROUBLESHOOTING

If you encounter issues with your MEIHUA solar spotlights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is in direct sunlight for 8-10 hours daily. Clean the solar panel surface.
Lights are dim or turn off quickly.	Battery not fully charged or aging battery.	Allow for a full day of charging. If the issue persists after prolonged use, the battery may be degrading.
Lights flicker or behave erratically.	Loose cable connections or internal fault.	Check all cable connections to the control box. If the problem continues, contact customer support.

Problem	Possible Cause	Solution
Control box indicators are not working.	Power issue or internal fault.	Ensure the unit is turned on. If no indicators light up, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	MEIHUA
Model Name	MH-SL-SP06
Color	Black
Material	Aluminum (fixture), Plastic (shade)
Power Source	Solar Powered
Water Resistance Level	IP66 Waterproof
Light Color	2700K Warm White
Battery Type	1 Lithium Polymer (included)
Battery Capacity	6000mAh
Product Dimensions	6.5"L x 3"W x 8"H
Item Weight	3.65 pounds (1.66 Kilograms)
Cable Length	18m / 59.1ft (total cable length for spotlights)
Installation Type	Ground Insert, Wall Mount

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact MEIHUA customer service through your purchase platform or the official MEIHUA website. Please have your model number (MH-SL-SP06) and purchase details ready when contacting support.