KISUFU MGC-LL742P-US

KISUFU Solar Powered 12V Flexible LED Strip Lights

MODEL: MGC-LL742P-US - INSTRUCTION MANUAL

1. INTRODUCTION

Thank you for choosing the KISUFU Solar Powered 12V Flexible LED Strip Lights. This product is designed for outdoor decoration, offering a bright, energy-efficient, and flexible lighting solution. Featuring an IP67 waterproof rating, a solar panel with a built-in battery, and remote control functionality, these lights are ideal for various outdoor settings.

Product Overview

Image 1.1: KISUFU Solar Powered LED Strip Light Kit showing the LED strip, remote control, and solar panel with stake.

The KISUFU LED strip light system includes a flexible LED strip, a solar panel with an integrated controller and battery, and a remote control for convenient operation. The strip is designed for durability and ease of use in outdoor environments.

Key Features

- **Solar Powered:** Utilizes a solar panel with a 1200mAh battery for energy efficiency.
- **High Brightness:** 2835 LED type with 120 LEDs per meter, providing 900lm/m brightness.
- **Flexible Design:** Easily bendable and formable to fit various surfaces and angles.
- **IP67 Waterproof:** Suitable for prolonged outdoor use, resistant to dust and water jets.
- **Remote Control:** Offers 8 lighting modes, dimming, and timer functions.
- **Cuttable:** Can be cut every 2.5cm for custom length adjustments.

2. COMPONENTS INCLUDED

Please verify that all components are present in your package:

- Flexible LED Strip Light (White, 2 meters)
- Solar Panel with Integrated Controller and 1200mAh Battery
- Remote Control
- Ground Stake and Mounting Clip for Solar Panel
- USB Charging Cable (Type-C port on controller)

Image 2.1: The flexible LED strip light rolled up, illustrating its form factor.

3. SETUP INSTRUCTIONS

Follow these steps to set up your KISUFU Solar Powered LED Strip Lights:

1. **Solar Panel Placement:** Choose a location for the solar panel that receives 6-8 hours of direct sunlight daily. Use the provided ground stake or mounting clip to secure the panel. Ensure the panel is angled to maximize sun exposure.

1200mA Fast Charging Large Solar Panel

3.35in

8 Modes Switch
· Conmbination
· In Waves
· Sepuential
· Slow Glow
· Chasing/Flash
· Slow fade
· Twinkle/Flash
· Steady On

4.73in

MODE

ON/OFF

MODE

ON/OF Switch

Mode Indication

Type-c Chargiing

Power/batery
Indicator Light

CE RoHS FC

This is a better way to absorb sunlight

120° Flexing Plate

3.15in

2.56in

This is a better way to absorb sunlight

Image 3.1: Detailed view of the solar panel, its integrated controller, Type-C charging port, and the flexible mounting clip for optimal sunlight absorption.

2. **Initial Charging:** Before first use, allow the solar panel to charge in direct sunlight for at least 6-8 hours. The integrated battery will store power for nighttime operation. Alternatively, you can use the Type-C USB port on the controller for faster initial charging.

3. **Connect LED Strip:** Plug the connector from the LED strip into the designated port on the solar panel controller. Ensure a secure connection.

4. **Mount the LED Strip:** Plan your desired lighting path. The flexible strip can be bent and shaped. Secure the strip using appropriate fasteners (not included) or by adhering it to a clean, dry surface.
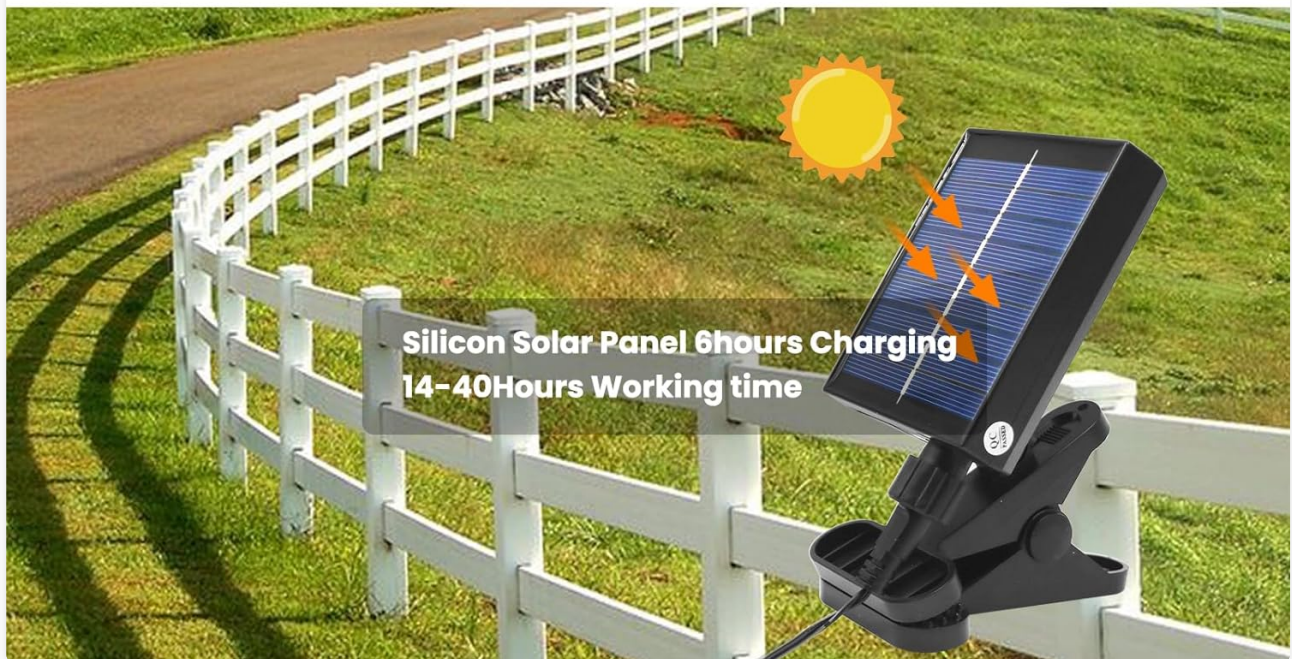
Easy to Install and Operate

Image 3.2: Visual guide demonstrating the connection of the LED strip to the solar panel controller and examples of outdoor installation on a fence.

5. **Remote Control Preparation:** Remove the battery separator tab from the remote control before use.

4. OPERATING INSTRUCTIONS

Your KISUFU LED Strip Lights can be operated using the remote control or the buttons on the solar panel controller.

Remote Control Functions

The Remote Contorl

ON/OFF
To Turn On The Strip/
Switchit To Stangby Mode.

MODE
1. Fireflies flashing
2. In Wave
3. double-lamp Flash
4. Slow Flash
5. Chasing/Flash
6. Slow Fade
7. Twinkle/Flash
8. Steady On

Brightness Up/
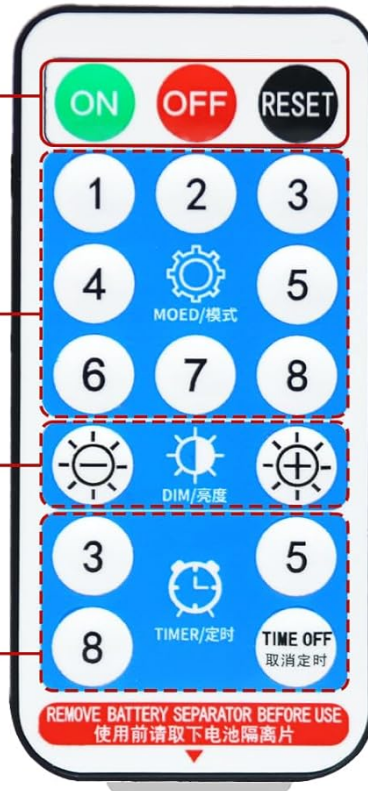Down Buttons

TIMER
3/5/8 Hours

Image 4.1: Diagram of the remote control, detailing buttons for ON/OFF, mode selection, brightness adjustment, and timer settings.

- **ON/OFF:** Press the 'ON' button to turn the strip on, and 'OFF' to turn it off or switch to standby mode.
- **MODE (1-8):** Select from 8 different lighting modes: Fireflies flashing, In Wave, Double-lamp Flash, Slow Flash, Chasing/Flash, Slow Fade, Twinkle/Flash, and Steady On.
- **DIM/Brightness:** Use the brightness up/down buttons to adjust the light intensity.
- **TIMER (3/5/8 Hours):** Set the lights to automatically turn off after 3, 5, or 8 hours.

Solar Panel Controller Functions

- **ON/OFF Switch:** Manual power control for the entire system.
- **MODE Button:** Cycles through the 8 lighting modes.
- **Mode Indication:** An indicator light shows the currently selected mode.
- **Type-C Charging Port:** For optional USB charging of the internal battery.
- **Power/Battery Indicator Light:** Displays the current battery status.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED strip lights:

- **Clean Solar Panel:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Check Connections:** Ensure all connections between the LED strip and the solar panel controller remain secure and free from corrosion.
- **Battery Care:** While the battery is designed for outdoor use, avoid prolonged periods of extreme temperatures (below -20°C or above 40°C) if possible, as this can affect battery life.
- **LED Strip Cleaning:** If the LED strip becomes dirty, gently wipe it with a damp cloth. Do not use harsh chemicals or abrasive materials.

6. TROUBLESHOOTING

If you encounter issues with your KISUFU LED Strip Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	Insufficient solar charge. Loose connection. Solar panel switch is OFF.	Ensure solar panel receives 6-8 hours of direct sunlight. Use USB charging if needed. Check all cable connections. Turn the ON/OFF switch on the solar panel controller to ON.
Remote control not working.	Remote battery depleted or tab not removed. Obstruction between remote and controller.	Remove battery separator tab. Replace remote battery if necessary. Ensure clear line of sight to the solar panel controller.
Lights are dim or flicker.	Low battery charge.	Allow solar panel to charge fully in direct sunlight.

7. SPECIFICATIONS

WIDTH THICKNESS：11*5MM

BASIC INFORMATION

Voltage	12V
Lamp beads	120LEDs/m
LED	2835 LED
Cutting Size (CM)	2.5cm
Width Thickness	11* 5mm
Color	Natural light, White light

2.5cm
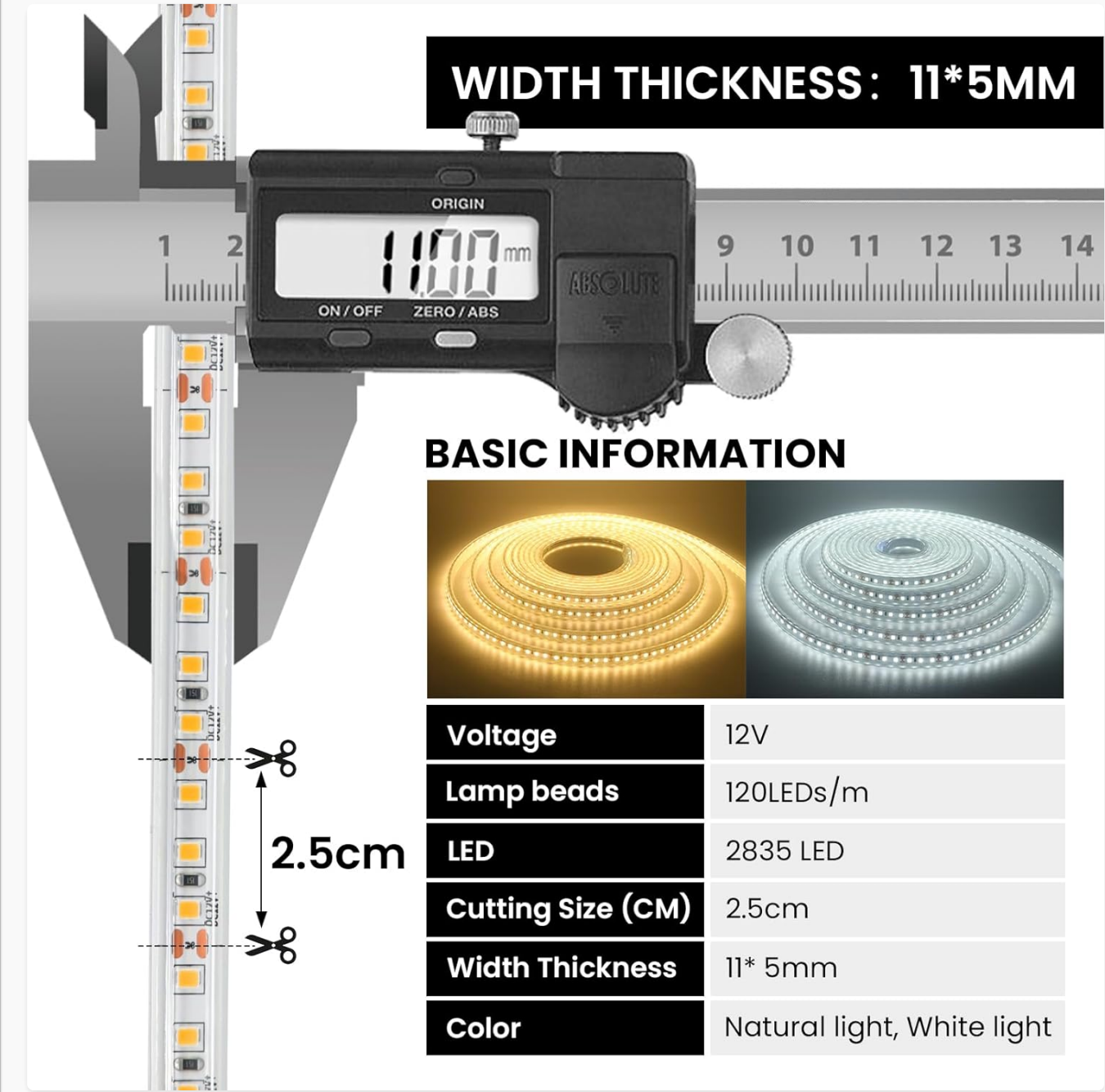
Image 7.1: Visual representation of the LED strip's dimensions, cuttable sections, and a summary of key specifications.

Feature	Detail
Model Number	MGC-LL742P-US
LED Type	2835 LED
LED Quantity	120 LEDs/meter
Operating Voltage	12V
Color Rendering Index (CRI)	> 85RA
Power Consumption	8-10 W/meter
Waterproof Degree	IP67
Working Temperature	-20°C to 40°C

Feature	Detail
Brightness	900lm/meter
Light Color (Current Variant)	White (6000-6500K)
Cuttable Interval	Every 2.5cm
Solar Panel Battery	1200mAh
Working Time (on full charge)	14-40 hours
Solar Panel Line Length	1.2 meters
LED Strip Length (Current Variant)	2 meters
Strip Width/Thickness	11mm * 5mm

8. Customer Support

KISUFU is committed to providing high-quality products and ensuring customer satisfaction. If you encounter any problems, have questions, or require assistance with your LED strip lights, please contact our customer service team. We are ready to help and provide a quick solution.

For support, please refer to the contact information provided at the point of purchase or visit the official KISUFU store page on Amazon.