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> [Yanmis Solar Light String Controller Module SS1208 User Manual](#)

Yanmis SS1208

Yanmis Solar Light String Controller Module SS1208 User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Yanmis Solar Light String Controller Module, model SS1208. This module is designed to manage power for solar-powered LED string lights, solar copper wire string lights, and solar studs, offering multiple lighting modes for various applications.

PRODUCT FEATURES

- Constructed from fiberglass material for durability and reliable performance.
- Compatible with 100LED solar string lights, solar copper wire string lights, and solar studs.
- Equipped with a main power switch and a dedicated lighting mode switch for easy control.
- Designed for connection with 1.2V NiMH rechargeable batteries and 2V solar panels.
- Supports a maximum charging current of 400mA and a maximum discharge current of 100mA.

SETUP AND CONNECTIONS

Carefully connect the solar panel, battery, and LED lights to the controller module as indicated below. Ensure correct polarity to prevent damage to the module or connected components.

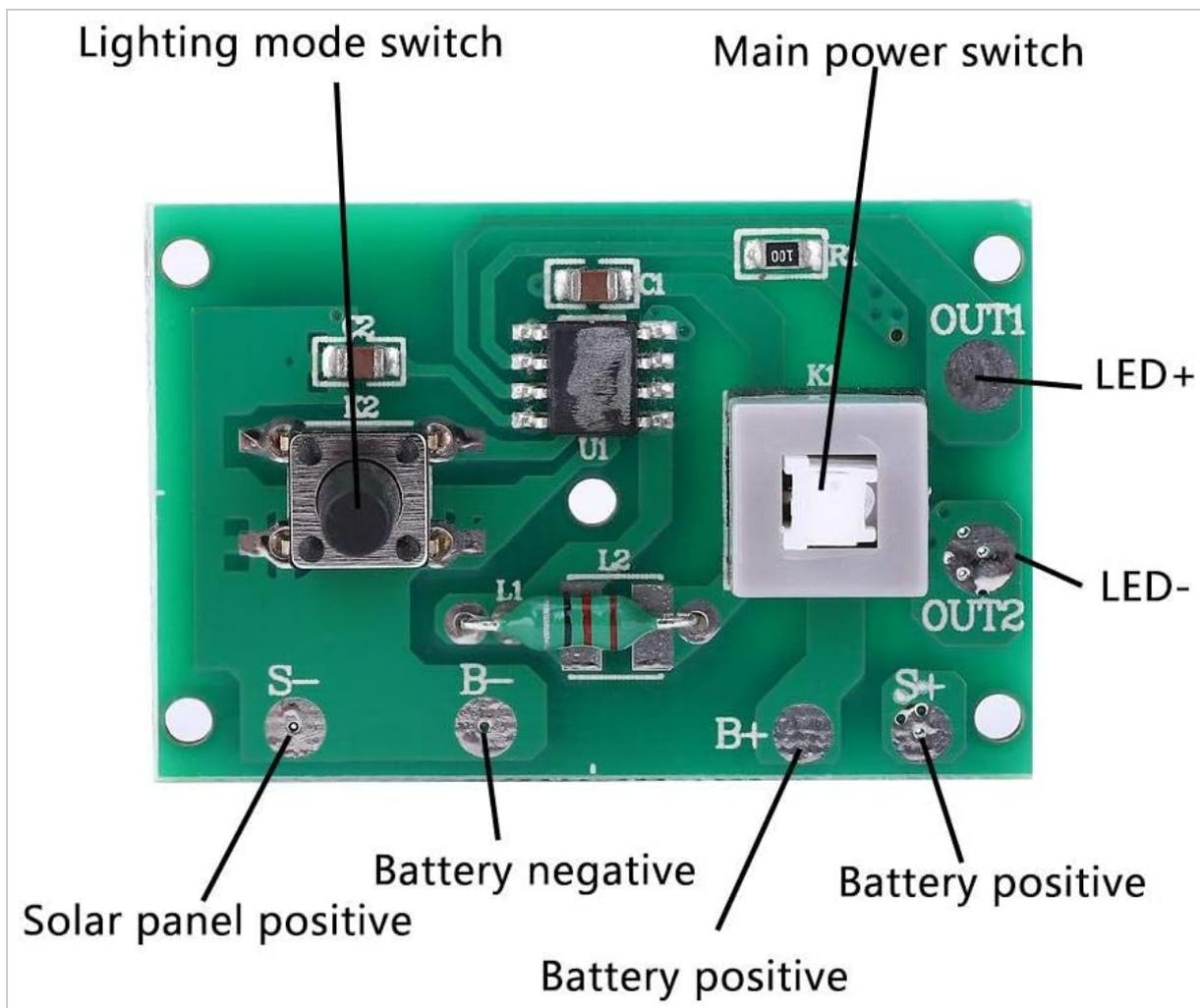


Figure 1: Yanmis Solar Light String Controller Module SS1208 with labeled connection points.

- **Solar Panel Connection:** Connect the positive (+) terminal of your 2V solar panel to the **S+** terminal on the module and the negative (-) terminal to the **S-** terminal.
- **Battery Connection:** Connect the positive (+) terminal of your 1.2V NiMH battery to the **B+** terminal on the module and the negative (-) terminal to the **B-** terminal. Note there are two B+ terminals for flexibility.
- **LED Light Connection:** Connect the positive (+) wire of your LED string lights to the **OUT1 (LED+)** terminal and the negative (-) wire to the **OUT2 (LED-)** terminal.

Ensure all connections are secure before operating the device. The module is designed to automatically charge the battery during daylight hours and power the lights at night.

OPERATING INSTRUCTIONS

The module features a main power switch and a lighting mode switch to control the functionality of your solar lights.

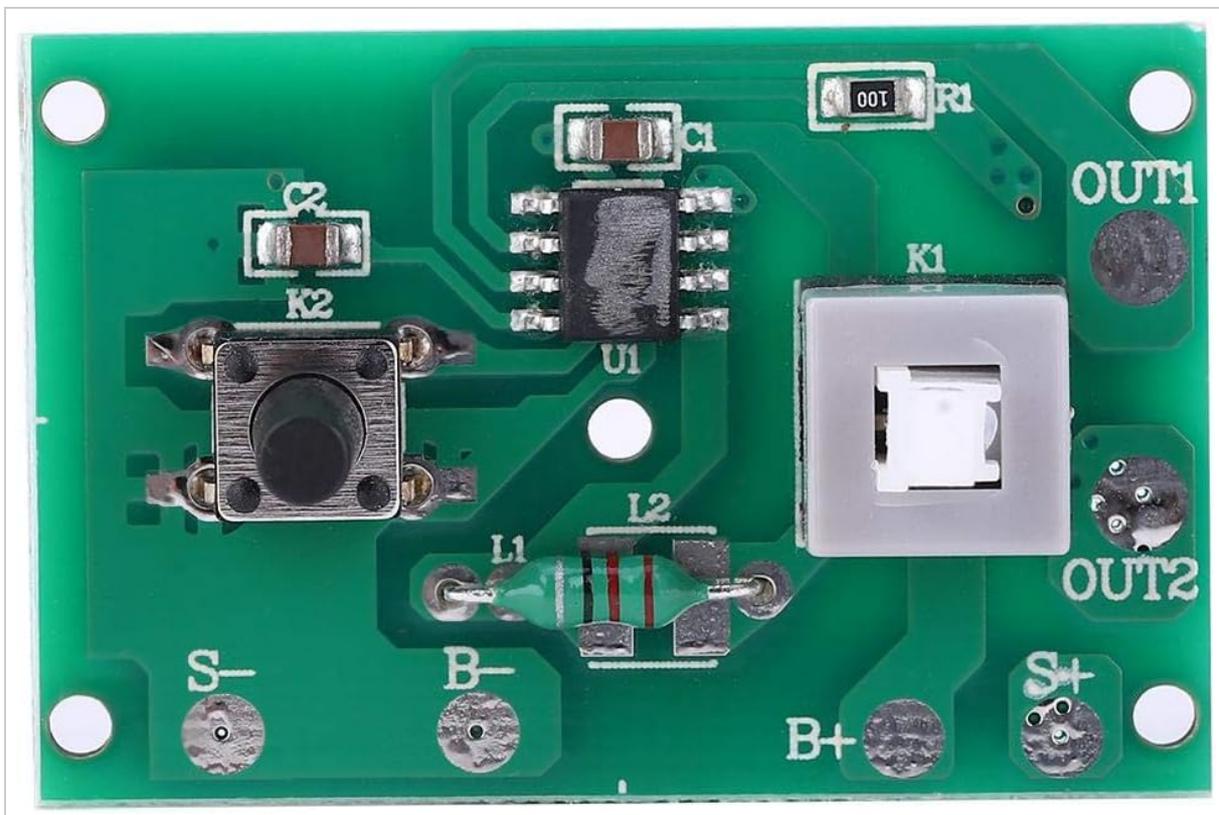


Figure 2: Top view of the controller module, highlighting the main power switch (right) and lighting mode switch (left).

- **Main Power Switch:** This switch (labeled 'Main power switch' in Figure 1, the larger white switch) controls the overall power to the module. Toggle it to the 'ON' position to activate the controller.
- **Lighting Mode Switch:** This button (labeled 'Lighting mode switch' in Figure 1, the smaller black button) allows you to cycle through the available lighting patterns. Press the button repeatedly to select your desired mode.

Available Lighting Modes:

1. **Mode 1:** 2-8 Function Cycle (Automatically cycles through modes 2 to 8).
2. **Mode 2:** Star Flash.
3. **Mode 3:** Double Flash.
4. **Mode 4:** One Way Fade In and Out.
5. **Mode 5:** 4 Single Flashes, then 4 Double Flashes.
6. **Mode 6:** All Fade In and Out.
7. **Mode 7:** 4 Single Flashes.
8. **Mode 8:** All On (Steady illumination).

MAINTENANCE

To ensure optimal performance and longevity of your Yanmis Solar Light String Controller Module, consider the following maintenance tips:

- **Keep Clean:** Periodically inspect the module and connections for dust, dirt, or debris. Gently clean with a soft, dry cloth.
- **Check Connections:** Ensure all wire connections remain secure and free from corrosion. Loose connections can lead to intermittent operation or power loss.
- **Battery Health:** If using rechargeable batteries, ensure they are suitable for solar applications and

are not showing signs of degradation. Replace old batteries as needed.

- **Environmental Protection:** While the module is designed for outdoor use, protecting it from extreme weather conditions (e.g., heavy rain, direct prolonged sunlight in very hot climates) can extend its lifespan.

TROUBLESHOOTING

If your solar light system is not functioning as expected, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
 - Ensure the main power switch on the module is in the 'ON' position.
 - Verify that the solar panel is receiving adequate sunlight and is clean.
 - Check battery charge. The battery may not have charged sufficiently during the day.
 - Inspect all connections (solar panel, battery, LED lights) for proper polarity and secure contact.
 - Test the LED string lights directly with a compatible power source to ensure they are functional.
- **Lights Not Changing Modes:**
 - Press the lighting mode switch firmly and repeatedly to cycle through modes.
 - Ensure the module has sufficient power from the battery.
- **Lights Dim or Flicker:**
 - The battery may be low on charge. Allow more time for solar charging.
 - Check for loose or corroded connections.
 - The battery may be nearing the end of its lifespan and require replacement.

SPECIFICATIONS

Model	SS1208
Material	Fiberglass
Compatible Battery Voltage	1.2V NiMH
Compatible Solar Panel Voltage	2V
Max Charging Current	400mA
Max Discharge Current	100mA
Dimensions (Approx.)	38.2 x 25.3mm / 1.5 x 1 inch
Item Weight (Approx.)	0.529 ounces

PACKAGE CONTENTS

The package includes the following items:

- 2 x Yanmis Solar Light String Controller Module (SS1208)

- 1 x User Manual (this document)