

## Aigostar B1020146H-212326

# Aigostar 70W Outdoor Solar LED Light with Remote Control (Model B1020146H-212326) - Instruction Manual

Model: B1020146H-212326 | Brand: Aigostar

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## 1. INTRODUCTION

Thank you for choosing the Aigostar 70W Outdoor Solar LED Light. This product is designed to provide efficient and versatile lighting for various indoor and outdoor environments, utilizing solar energy to eliminate electricity costs. This manual will guide you through the installation, operation, and maintenance of your new solar LED light system.

## 2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present and undamaged:

- Solar Panel
- LED Bulbs (x2)
- Energy Storage Box with Manual Pull Switch
- Remote Control
- Connection Cables (5m for panel, 3m+3m for bulbs)
- Mounting Accessories (screws, anchors, hooks)
- Instruction Manual

# Accessories Content

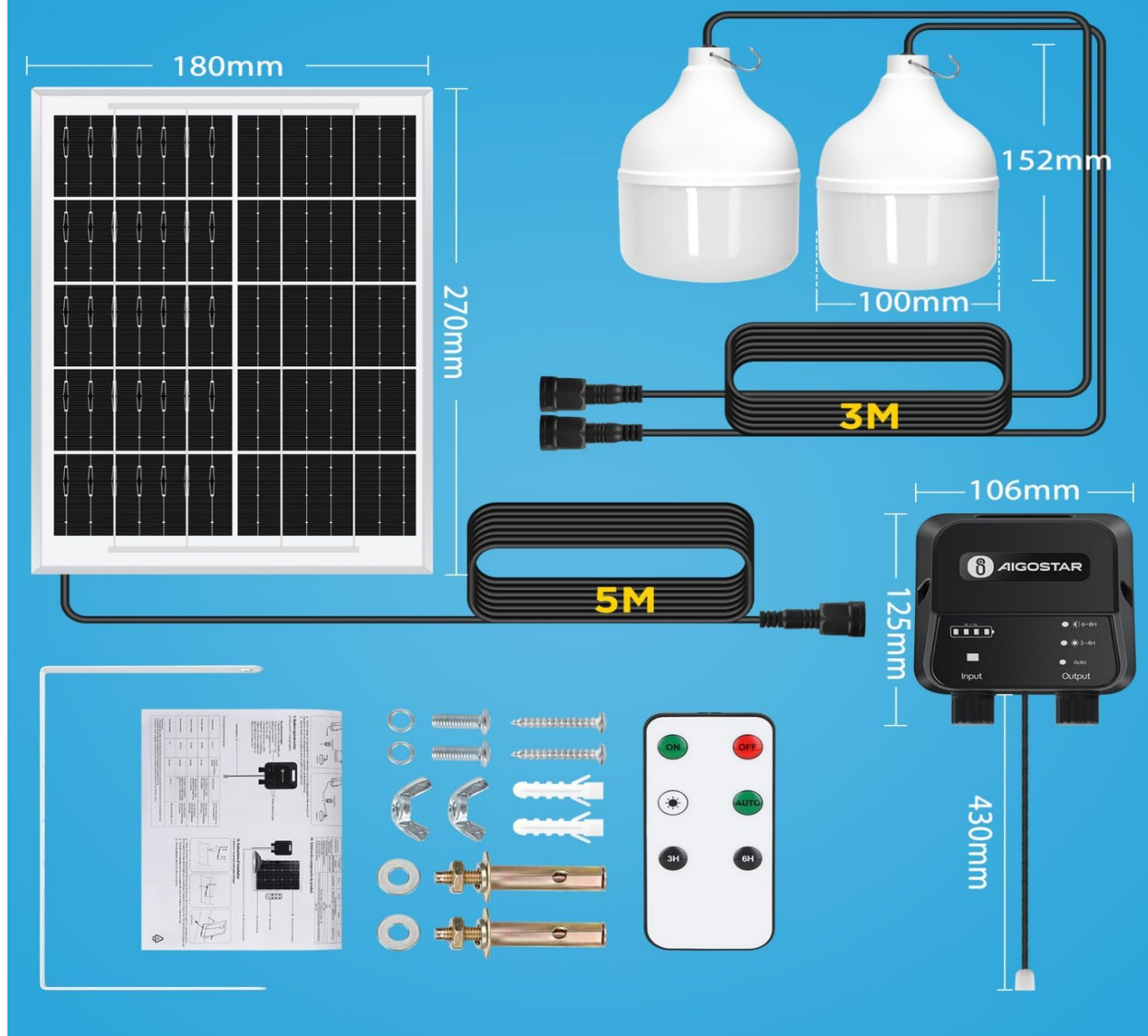


Figure 2.1: Package Contents including solar panel, two LED bulbs, energy storage box, remote control, cables, and mounting hardware.

## 3. PRODUCT OVERVIEW

The Aigostar 70W Outdoor Solar LED Light system is designed for energy efficiency and durability, suitable for a wide range of applications.

### Key Features:

- **Zero Electricity Bill:** High-efficiency monocrystalline silicon photovoltaic panels (up to 25% conversion efficiency) and a 6000mAh large-capacity battery ensure continuous operation for up to 14 hours after 4-6 hours of solar charging.
- **Durable and Weatherproof:** IP65 protection rating ensures resistance to cold (-10°C) and heat (50°C), making it suitable for various indoor and outdoor environments like gardens, balconies, garages, and tool rooms.
- **Multifunctional Energy Storage Box:** Features a manual pull switch design, allowing flexible on/off control and intuitive operation without complex settings.

- **High Brightness:** 70W power, 700LM brightness, and 6500K cool white light with a 120° beam angle. Includes 11 meters of cable for flexible placement.
- **Remote Control with Timer:** Control the light with the included remote, offering timer functions, high brightness mode, and automatic mode with an 8-meter range.



## Monocrystalline Silicon

Converts up to **25%** of solar energy into electricity

## Energy Storage Box

Large Battery Capacity

 **6000mAh**



## LED Bulb

 **70W**

 **700lm**

Figure 3.1: Components of the Aigostar Solar LED Light system, highlighting the monocrystalline silicon solar panel, 6000mAh energy storage box, and 70W/700LM LED bulbs.





Figure 3.2: The light's IP65 waterproof rating and resistance to temperatures from -10°C to 50°C, suitable for multi-season outdoor use.

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Aigostar Solar LED Light:

1. **Mount the Solar Panel:** Choose a location that receives direct sunlight for 4-6 hours daily. Use the provided screws and anchors to securely mount the solar panel. Adjust its angle to maximize sun exposure.
2. **Hang the LED Bulbs:** The bulbs feature integrated hooks for flexible installation. Hang them in your desired indoor or outdoor area.
3. **Mount the Energy Storage Box:** Secure the energy storage box to a wall or suitable surface using the provided mounting accessories. Ensure it is within reach for manual operation and remote control signal.
4. **Connect the Cables:** Connect the solar panel cable to the "Input" port on the energy storage box. Connect the LED bulb cables to the "Output" ports on the energy storage box. Ensure connections are secure.
5. **Initial Charge:** Before first use, it is recommended to charge the solar panel for 24 hours to ensure the battery is

fully charged.



Figure 4.1: Visual guide for installing the solar panel, hanging the bulbs, mounting the energy box, and connecting cables.

### Installation Tips:

- Ensure the solar panel is not obstructed by shade from trees or buildings.
- Clean the solar panel regularly with a soft, damp cloth (at least once a year) to avoid low output due to dust collection.
- The total cable length is 11 meters (5m for panel, 3m+3m for lights), allowing for flexible placement.

## 5. OPERATING INSTRUCTIONS

Your Aigostar Solar LED Light can be operated using the manual pull switch on the energy storage box or the included remote control.

### 5.1. Manual Pull Switch Operation (Energy Storage Box)

The energy storage box features a manual pull switch for basic control. Pulling the switch continuously within 2 seconds cycles through different modes:

- **Pull Once:** 65% Brightness. Discharges gradually and turns off after approximately 8.5 hours. The green indicator light stays on.
- **Pull Twice:** 100% Brightness. Discharges gradually and turns off after approximately 4.5 hours. The red indicator light stays on.
- **Pull Three Times:** 65% Brightness, automatically turns on at night. Discharges gradually and turns off after approximately 14 hours. The blue indicator light stays on.
- **Pull Four Times:** Turns off the bulb. All indicator lights are off.

## Energy Storage Box Introduction

### Pull switch descriptions

Pull Once x1	Pull Twice x2	Pull Three Times x3	Pull Four Times x4
<b>65% Brightness-Drop gradually and be off after discharging of 8.5H</b>	<b>100% Brightness-Drop gradually and be off after discharging of 4.5H</b>	<b>65% Brightness-Drop gradually and be off after discharging of 14H. Or auto off during the day and auto on at night</b>	<b>Turn off the bulb</b> All indicators light are off
<ul style="list-style-type: none"><li>• The green indicator light keeps on</li></ul>	<ul style="list-style-type: none"><li>• The red indicator light keeps on</li></ul>	<ul style="list-style-type: none"><li>• The blue indicator light keeps on</li></ul>	<p>*Notes: When switching modes continuously, the switch pulling time is controlled within 2 seconds</p>

#### Mode Indicator Light

When charging during the day, green indicator light in battery area illuminates

#### Pull Switch



The image shows the AIGOSTAR Energy Storage Box, a black rectangular device with a manual pull switch on the front. The switch is a small white button with a blue indicator light. The device has two cables connected to it: a black cable on the left and a grey cable on the right. The front panel features the AIGOSTAR logo, a battery level indicator with four green bars, and three indicator lights: a green light for 6-8H, a red light for 3-4H, and a blue light for Auto. The words 'Input' and 'Output' are printed below the indicator lights.

Figure 5.1: Manual pull switch modes and corresponding indicator lights on the energy storage box.

## 5.2. Remote Control Operation

The remote control provides more advanced functions. Point the remote directly towards the energy storage box for optimal performance (up to 8 meters range).



- **ON:** Force opening at 65% brightness. Discharges gradually and turns off after 8.5 hours.
- **OFF:** Turns off the light.
- **Brightness Adjustment:** Use the sun icon button to cycle through brightness levels (100% brightness discharges in 4.5 hours).
- **AUTO:** Automatic mode at 65% brightness. Discharges gradually and turns off after 14 hours, or automatically turns off during the day and on at night.
- **Timer Functions:**
  - **3H:** Sets a 3-hour timer at 65% brightness. Discharges gradually and turns off after 3 hours.
  - **6H:** Sets a 6-hour timer at 50% brightness. Discharges gradually and turns off after 6 hours.

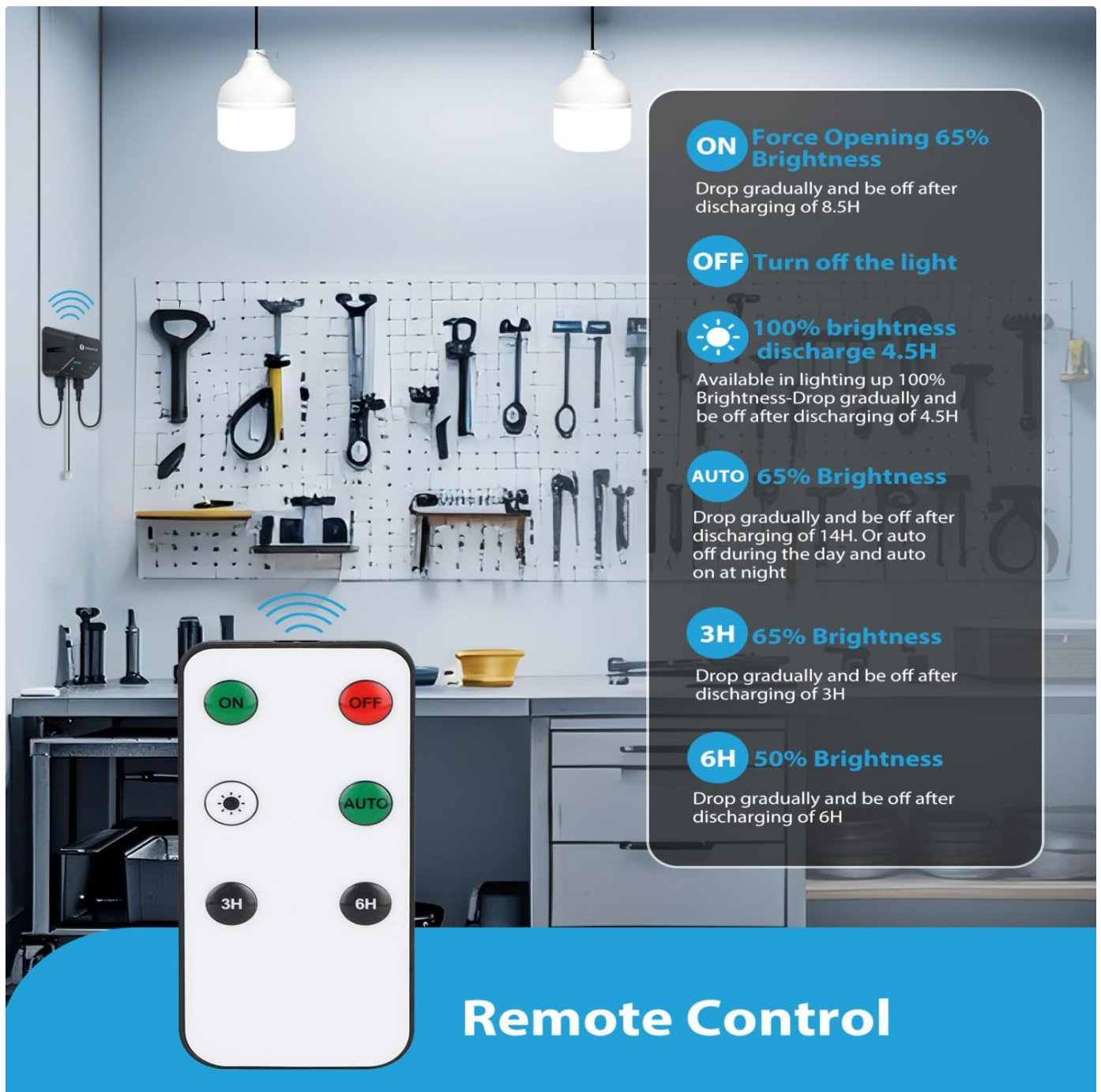


Figure 5.2: Remote control layout and functions, including ON/OFF, brightness, AUTO, and timer settings.

### 5.3. Charging and Battery Life

The solar panel charges the 6000mAh battery in the energy storage box. Under sufficient sunlight, a full charge takes 4-6 hours, providing up to 14 hours of continuous light depending on the selected brightness mode.



Figure 5.3: Solar panel charging process and the extended battery life of the Aigostar Solar LED Light.

## 5.4. Usage Scenarios

This versatile solar light is suitable for various applications:

- Gardens and Patios
- Balconies and Porches
- Garages and Tool Rooms
- Stables, Sheepfolds, Chicken Coops
- Camping and Fishing





## Multiple Usage Scenarios

Figure 5.4: The Aigostar Solar LED Light used in various settings such as patios, garages, and camping.

### 5.5. Official Product Videos

Watch these official videos for more information on the Aigostar Solar LED Light:

#### Aigostar Outdoor Solar Lamp with Remote Control

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Video 5.5.1: This video demonstrates the features and operation of the Aigostar outdoor solar lamp with its remote control, including charging and lighting modes.

#### Aigostar 70W Outdoor Solar Light with Sensor

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Video 5.5.2: This video showcases the 70W Aigostar outdoor solar light, focusing on its sensor capabilities and bright illumination.

#### Outdoor Solar Bulb

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Video 5.5.3: A short video demonstrating the outdoor solar bulb in various settings, highlighting its portability and ease of use.

2PCS Solar Bulbs

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Video 5.5.4: This video shows two solar bulbs in action, demonstrating their brightness and how they can be used together for broader illumination.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Aigostar Solar LED Light, follow these maintenance guidelines:

- **Clean the 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 charging efficiency.
- **Inspect Cables and Connections:** Periodically check all cables and connections for any signs of wear, damage, or loose fittings. Ensure they are securely connected and free from obstructions.
- **Battery Care:** While the battery is designed for long life, avoid prolonged periods of complete discharge. If storing the unit for an extended time, ensure the battery is fully charged before storage and recharge it every few months.
- **Storage:** If the product is not in use for a long period, store it in a cool, dry place away from direct sunlight.

7. SPECIFICATIONS

Feature	Detail
Brand	Aigostar
Model Number	B1020146H-212326
Power (LED)	70 Watts
Luminosity	700 Lumens
Color Temperature	6500K (Cool White)
Beam Angle	120°
Battery Capacity	6000mAh
Solar Panel Conversion Efficiency	Up to 25%
Charging Time (Solar)	4-6 hours (sufficient light)
Working Time	Up to 14 hours
Cable Length	11 meters total (5m for panel, 3m+3m for lights)
IP Rating	IP65 (Waterproof)
Operating Temperature	-10°C to 50°C
Material	Plastic
Power Source	Solar Energy

Feature	Detail
Switch Style	Remote Control, Manual Pull Switch
Number of Light Sources	2 LED Bulbs
Country of Origin	China

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided on the product packaging or visit the official Aigostar website. Keep your purchase receipt as proof of purchase for any warranty claims.  
Return Policy: 30 days refund/replacement (as per Amazon.es buybox winner information).

