

Solar Wall Lamp User Manual

1. Product Overview

This Solar Wall Lamp is an innovative, dual-purpose lighting solution designed for both daily security and emergency scenarios. Combining solar energy efficiency with USB backup charging, this lamp offers versatile installation options and intelligent brightness control. Its user-friendly interface ensures effortless operation, making it ideal for outdoor spaces such as gardens, patios, pathways, and entryways.

2. Key Features

Dual Power Supply: Charges via built-in solar panel (daytime) or USB cable (emergency backup).

Multi-Mode Lighting: 4 working modes—Full Brightness, Half Brightness, Moonlight, Emergency Lighting.

Smart Display Panel: Real-time LED indicators for battery level and mode selection (top-right corner).

Flexible Installation:

Wall-Mounted: Permanent installation for daily safety lighting.

Hook-Mounted: Detachable hooks for temporary use on pergolas, fences, or event structures.

Weatherproof Design: IP65-rated waterproof and dustproof construction.

3. Technical Specifications

Solar Panel: 2W monocrystalline silicon, 5-6h charging for full battery.

Battery: 2x2200mAh Li-ion (3.7V), USB input: 5V/1A.

LEDs: 100+ high-efficiency SMD LEDs (5000K cool white)

LEDs: 109 x high-efficiency SMD LEDs (6500K cool white).

Illumination Modes:

Full Brightness: 800 lumens, 6-8h runtime.

Half Brightness: 400 lumens, 10-12h runtime.

Moonlight: 30 lumens, 20-24h runtime.

Emergency Mode: Activates automatically during power outages (prioritizes USB power if solar is low).

Dimensions: L335×W109×H41.5mm/13.2*4.3*1.6 inches

Weight: 600g/1.3lb

4. Installation Guide

Option 1: Wall-Mounted (Daily Safety Lighting)

Positioning:

Choose a south-facing wall (northern hemisphere) with direct sunlight.

Avoid shaded areas or overhangs.

Mounting Steps:

Mark screw holes using the lamp's backplate as a template.

Drill holes, insert anchors, and secure with screws (included).

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Attach the lamp and adjust the solar panel angle for optimal sun exposure.

Option 2: Hook-Mounted (Emergency/Temporary Lighting)

Hanging:

Attach the lamp's rear hooks to stable horizontal supports (e.g., fence tops, pergola beams).

Use zip ties for added stability on thick poles.

USB Backup:

Connect the included USB cable to a power bank or outlet for emergency charging.

5. Operation Instructions

Control Panel (Top-Right Corner)

Mode Button:

Short Press: Cycle through modes (Full → Half → Moonlight → Emergency).

Long Press (3s): Force-activate Emergency Mode.

LED Indicators:

Battery Level

Mode Status:

Full Brightness: Solid white LED.

Half/Moonlight: Dimmed white LED.

Emergency: Flashing white LED.

Charging Tips

Solar Charging: Ensure the panel faces sunlight daily. Clean dust weekly.

USB Charging: Plug in for 4-5h to fully charge. Compatible with power banks.

6. Maintenance & Safety

Weatherproofing: Avoid submerging in water. Wipe the solar panel with a damp cloth.

Battery Care: Charge fully every 3 months if unused for extended periods.

Safety Warnings:

Do not disassemble the lamp.

Keep away from flammable materials.

Remove during extreme weather (e.g., hurricanes).

7. Troubleshooting

Issue Solution

Lamp won't turn on Charge via USB for 2h; check battery LED.

Dim light Clean solar panel; ensure full sun exposure.

Mode button unresponsive Reset by pressing for 10s.