

Owner Manual

Product Overview

This product is a high-efficiency solar-powered outdoor waterproof spotlight designed for gardens, pathways, building facades, and other outdoor environments. Equipped with monocrystalline silicon solar panels, high-capacity lithium batteries, and an IP65 waterproof structure, it features energy efficiency, easy installation, and all-weather durability.

Key Features

✓ High-Efficiency Solar Charging

Monocrystalline solar panel with $\geq 23\%$ conversion efficiency; full charge in 6 hours of sunlight.

Supports charging on cloudy/rainy days; built-in overcharge/over-discharge protection.

✓ Extended Runtime

High-brightness LED (200 lumens) with $\geq 50,000$ -hour lifespan.

3 lighting modes (High/Medium/Low), runtime 6–20 hours.

✓ Weatherproof Design

IP65 rating, resistant to heavy rain, dust, and extreme temperatures ($-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$).

ABS high-strength material

Technical Specifications

Parameter Details

Solar Panel Power 1.5W Monocrystalline

Battery Capacity 2200mAh Li-ion Battery

LED Brightness/CCT 200LM / 6500K (Cool White)

Charging Time 6–8 hours (direct sunlight)

Runtime High: 6h / Low: 12h above

Protection Rating IP65

Material Aluminum ABS + PC Lens

Operating Temp. $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Operation

Mode Switching: Briefly press the button to cycle through High → Medium → Low → Off.

Sensitivity Adjustment: Press and hold the button for 3 seconds (LED blinks to confirm).

Energy-Saving Tip: Use low-light conditions.

Maintenance

Important Notes

Clean the solar panel monthly to maximize charging efficiency.

In cold climates, fully recharge the battery every 3 months to prevent degradation.

Do NOT disassemble the light; improper repairs may compromise waterproofing.

Troubleshooting

Issue Solution

Dim light Clean solar panel; check for obstructions.

Charging failure Ensure the switch is ON; reset battery (disconnect for 24 hours).

Safety Warnings

- ! Do NOT submerge the light in water or expose to strong acids/alkalis.
- ! Avoid touching battery contacts with sharp objects during charging.
- ! Dispose of batteries per local regulations; do NOT discard in regular trash.

Warranty & Support

Warranty: 1 year (free replacement for non-human damage).