SOLAR MOTION SOUND & LIGHT ALARM

Dual-Charging Outdoor Security & Deterrent System

TECHNICAL DATASHEET

Model Ref: SA-129

ALARM SOUND	MAX RANGE	WATERPROOF	POWER SOURCE
129 dB	**8 Meters**	**IP55 Rating**	**Solar + DC**

PRODUCT OVERVIEW

The **Solar Motion Sound & Light Alarm** is a robust, weatherproof outdoor security solution designed for active intrusion deterrence and property protection. Featuring a high-decibel speaker capable of producing realistic **dog barking and gunshot sound effects (129 dB)** combined with **6 intense red flashing LEDs**, this unit effectively deters trespassers, wildlife, and pests. Powered by an integrated monocrystalline solar panel and rechargeable lithium-ion battery with micro-DC backup charging.

TECHNICAL SPECIFICATIONS

ELECTRICAL & POWER SYSTEM			
Power Source	Solar Energy / DC Charging	**Battery Description**	Lithium-Ion (3.7V / 400mAh)
Solar Panel Specs	5V × 80mA Mono-Silicon	**DC Charging Input**	DC 5V ≤ 1A
Solar Charge Time	> 8 Hours	**DC Charge Time**	≤ 1 Hour

ACOUSTIC, OPTICAL & SENSOR PARAMETERS			
Alarm Volume	129 dB	**Sound Effects**	Dog Barking + Gunshot Sound
LED Light Configuration	6 pcs Ultra-Bright Red LEDs	**Maximum Sensing Range**	8 Meters

OPERATING MODES & BATTERY ENDURANCE			
Sensing Trigger Mode	> 200 cycles (Flash & Sound)	**Interval Trigger Mode**	> 12 Hours (Flash & Sound / 5 mins)
Standby Duration	> 3 Months	**Power Off Retention**	> 1 Year

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS			
Mounting Type	Wall Mount	**Item Weight**	0.15 kg (150 g)
Waterproof Rating	IP55 Weatherproof	**Operating Temperature**	-20°C to +60°C

APPLICATIONS & INSTALLATION

TARGET DEPLOYMENT LOCATIONS

Driveway · Garage · Garden · Lawn · Sidewalk · Terrace · Walkway

KEY FEATURES & BENEFITS

- **High-Impact Deterrent:** 129dB alarming acoustics combined with flashing red LEDs.
- **Dual Power Backup:** Continuous solar self-charging with quick 1-hour USB DC option.
- **All-Weather Reliability:** IP55 sealed enclosure and operating down to -20°C.
- **Ultra-Low Power Draw:** Up to 3 months standby and 1 year power-off retention.