

SOLAR POWERED LED STREET LIGHT – RX Series Mars V 5000



PRODUCT OVERVIEW

Solar street and area light, made in USA. Built with premium components and engineered for durability, our fixtures deliver dependable performance, lower energy costs, and long-lasting illumination—without relying on the grid.

FEATURES

- **LiFePO4 Battery** – For long lifetime, 230.4Wh battery capacity, over 2000 recycle times (5 years).
- **Monocrystalline Solar Panel** – 23% efficiency 50W solar panel. Heavy duty design.
- **Mounting Arms Option** – Can be used on wall or pole.
- **Anti-Bird Spike Option** – Protects solar panel surface from bird droppings.

APPLICATIONS

- Streetlights
- Parking lot / area lights
- Pathway lighting
- Lighting where power is unavailable or unstable

Product Description

PART#	DESCRIPTION	LED WATTAGE	SOLAR PANELS	EFFICACY	LUMEN OUTPUT
RX-MARS-SS-005-US	5000lm Solar Powered LED System	23W	50W	230lm/W	5000lm

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Specifications

MODEL#	RX-MARS-SS-005-US
SPECIFICATIONS	
Rated Wattage	23W
Lumens	5000lm
LED Efficacy	230lm/W
CCT	3000K / 4000K / 6000K
CRI (Ra)	>70
Reported L80	>50,000hrs
LED	Phillips Chips
Beam Angle	Type III
SOLAR CHARACTERISTICS	
Solar Panel	18V/50W
Photovoltaic Panel	Mono-Crystalline Solar Panel
Li-on Battery	12.8V/18Ah
Working Mode	1H100% 2-3H80% 4H60% 5H-dawn 25%
Output Voltage	DC43V
*Note: This is the running time of the product when it is fully charged without any recharging. Normally the luminaires are constantly converted into electricity by absorbing sunlight every day, so the running time of this product will be longer under normal conditions.	
ENVIRONMENTAL	
IP Rating	IP65
Impact Rating	IK08
Operating Temperature	-20°C to 60°C
MATERIALS & WORKING MODE	
Materials	High-transmission low-iron tempered glass, EVA, TPE
ASW 3.0 Technology	ASW 3.0 patented technology automatically reduces the output power and output current when it detects the battery is at low power, thus allowing the solar luminaire to operate for longer time on continuous rainy or cloudy days.*
*Note: Other operating modes can be customized upon request.	
CONTROLS	
Controller Type	MPPT controller
Motion Sensor	Microwave sensor
Heating Function	PTC auto-heating function
WARRANTY & CERTIFICATIONS	
Warranty	3 years
Certifications	CE
BATTERY	
Charging Time	4-6 hours
Working Hours	40-50 hours



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