

SOLAR POWERED LED STREET LIGHT – RX Series Mars V 10000



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-010-US	10000lm Solar Powered LED System	43W	75W	230lm/W	10000lm

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Specifications

MODEL#		RX-MARS-SS-010-US
SPECIFICATIONS		
Rated Wattage	43W	
Lumens	10000lm	
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/75W	
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	
WARANTY & CERTIFICATIONS		
Warranty	3 years	
Certifications	CE	
BATTERY		
Charging Time	4-6 hours	
Working Hours	40-50 hours	

