

SOLAR POWERED LED STREET LIGHT – RX Series Mars V 5000 Vertical



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.
- **60W Vertical Solar Panel** – Strong connector for 90-degree rotation. Connects to poles from 2 3/8" to 3" diameter (can be customized)

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-V	5000lm Solar Powered LED System	23W	50W/60W	230lm/W	5000lm

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Specifications

MODEL#		RX-MARS-SS-005--US-V
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
Vertical PV Panel		18V/60W
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
WARANTY & CERTIFICATIONS		
Warranty		3 years
Certifications		CE
BATTERY		
Charging Time		4-6 hours
Working Hours		40-50 hours