

## Solar Series RMS Engine



The Solar Series RMS is a solar engine specifically designed to meet almost any power requirement. Available as either a fixed frangible or portable unit, it is an ideal solution for self-reliant power generation anywhere. As a stand-alone unit requiring no power input of any kind, the Solar Series RMS can be quickly deployed wherever it is needed. The frangible unit complies with international requirements. With the optional radio control receiver, the RMS can manage the on/off and intensity functions of a wide range of equipment, and do it all from a control system onsite. The portable unit is designed to be lightweight and mobile and is ideal for situations where quick-deployment is needed. From 24/7 flashing to crosswalk beacons, customers worldwide depend on the Solar Series RMS to power their equipment every day.

### APPLICATIONS

<b>Security Cameras</b>	Provide 24/7 power to remote security camera operations with control options
<b>Area Lighting</b>	High brightness LED lighting operating dusk till dawn, on demand or custom profiles
<b>Parking Lots</b>	Pedestrian, driver and customer lighting for dusk till dawn operations
<b>Fence Lighting</b>	Illuminate perimeter fence lines for security and vehicle entrances
<b>Sign Lighting</b>	Illuminate dusk till dawn or on demand street or identification signs

### BENEFITS

<b>High Quality</b>	UL listed, design, manufactured and operate in North America
<b>Clean Technology</b>	Solar-powered and wireless to save on power bills and end roadway trenching
<b>Reliable</b>	Energy management system to ensure operation under all environmental conditions
<b>Simple</b>	Installs in minutes to minimize traffic disruption and allow for relocation and re-purposing
<b>Elegant</b>	Self-contained, cabinet-free, discrete design to enhance streetscapes and inhibit vandalism
<b>Full Control</b>	Available with optional RF Controller

# SPECIFICATIONS

## MECHANICAL

<b>Configuration</b>	Self-contained Solar Engine
<b>Mounting Options</b>	Side of pole mount for 2" to 4" pole sizes Frangible-coupling mount, with floor flanges Lying flat on the ground
<b>Housing Colors</b>	Yellow, green or black (custom colors also available)
<b>Weight</b>	8" or 12" diameter (200 mm or 300 mm)
<b>Dimensions</b> RMS50 RMS80 RMS120	27.5"x25"x4" 27.5"x42"x4" 38"x43.5"x4"
<b>Enclosure and mount</b>	Powder Coated Steel

## SOLAR

<b>Solar Module Technology</b>	Crystalline & Amorphous
<b>Operating Voltage</b>	12V or 24V
<b>Module Size</b> RMS50 RMS80 RMS120	50 Watts 80 Watts 120 Watts
	*Up to 600 Watts possible with multiple units linked together with grade connectors

## ELECTRICAL

<b>Battery Type</b>	Maintenance free, AGM, Lead Acid
<b>Battery Autonomy</b>	7 days or greater
<b>Lighting Control</b>	Optional
<b>Low Voltage Disconnect</b>	Yes
<b>Optional Radio Control</b>	Optional Radio Frequency Controller

## ENVIRONMENTAL

<b>Operating Temperature</b>	-30°C to +50°C
<b>Weather Protection</b>	Enclosure is NEMA 4, IP65

## WARRANTY & LIFE EXPECTANCY

<b>Warranty</b>	5 year Limited Warranty on system components
<b>Solar Panel Life Expectancy</b>	25 years