

## Solar Series RMS Solar Engine

COMPLIES WITH ICAO ADM, PART 6

The Solar Series RMS is a solar engine specifically designed for the aviation industry. Available as either a fixed frangible or portable unit, it is an ideal solution for self-reliant power generation anywhere on the airfield or helipad. 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 ICAO frangibility 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 that is common to all other lights on the airfield. The portable unit is designed to be lightweight and mobile and is ideal for situations where quick-deployment is needed. From PAPI to wind cones to airfield signs, customers worldwide depend on the Solar Series RMS to power their equipment every day.



# SPECS

## Solar Series RMS Solar Engine

### FEATURE BENEFITS

#### INCREASE SAFETY

The self-contained system is engineered to comply with frangibility requirements, preventing damage to aircraft.

#### DECREASE COSTS

With zero electricity costs, simple installation and almost no maintenance, the Solar Series RMS Solar Engine quickly realizes long-term cost savings.

#### FLEXIBLE AND EXPANDABLE

The Solar Series RMS can be linked together with quick release military cables, enabling solar power systems of up to 600 Watts to be quickly and easily deployed. This increases the run-time and autonomy, and enables the RMS to power a large variety of equipment.

#### CUSTOM SIZING

With over 15 years experience in designing solar power systems, our solar experts will ensure a system that operates reliably, regardless of the installation location.

#### FULL CONTROL

Available with optional RF Controller. This enables the entire airfield lighting system to be controlled wirelessly from an Air Traffic Control Tower, Aircraft and Ground.

# 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 Quick-deploy portable mount
<b>Housing Colors</b>	Aviation Yellow / Olive Drab Custom Colors Available
<b>Weight</b>	Varies upon system design
<b>Dimensions</b>	
<b>RMS50</b>	27.5"x25"x4"
<b>RMS80</b>	27.5"x42"x4"
<b>RMS120</b>	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>	
<b>RMS50</b>	50 Watts
<b>RMS80</b>	80 Watts
<b>RMS120</b>	120 Watts
	*Up to 600 Watts possible with multiple units linked together with military-grade connectors

## ELECTRICAL

<b>Battery Type</b>	Maintenance free, AGM, Lead Acid
<b>Battery Autonomy</b>	Up to 180Ahr
<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° to +50°C (-22° to 122°F)
<b>Weather Protection</b>	Enclosure is NEMA 4, UL Listed

## WARRANTY AND LIFE EXPECTANCY

<b>Warranty</b>	5 years on system components 3 years pro-rated battery
<b>Solar Panel Life Expectancy</b>	25 years

