

## Solar Series HEMS Helipad Lighting System

The Solar Series HEMS Helipad Lighting System is an autonomous portable emergency heliport solution designed for rapid deployment, safe and effective marking at designated landing areas. The HEMS uses an efficient solar power system to operate a high performance LED portable wind cone and portable LED helipad lights system. The battery-operated lights are stored securely in a cabinet radio controller, and remain fully charged by the solar power system until they are needed for marking the FATO for landing. This HEMS emergency helipad lighting system allows remote communities to be reached 24/7 by medevac helicopter, greatly enhancing emergency response access in these areas.

The internally lit wind cone has an intelligently engineered aluminum tilt-pole with a patented swivel system that is designed to facilitate easy installation by a single person. It can be mounted on a single frangible pole with a solar power system; or it can have a separate solar power system if additional site security is required. The easy installation eliminates the need for trenching or wiring and significantly reduces installation costs.



The Solar Series HEMS can be controlled via VHF transmission from the aircraft or activated by ground based personnel. The cabinet radio controller keeps the lights charged and secure at all times, and the lightweight LED fixtures are quickly deployed from the cabinet to the FATO in minutes.

# SPECS

## Solar Series HEMS Helipad Lighting System

### FEATURE BENEFITS

#### INCREASE SAFETY

Emergency helipad lighting system provides safe and effective 24/7 helicopter landing area for immediate deployment.

#### REDUCE COSTS

Without the need for electrical inputs, trenching, wiring or additional concrete, the cost savings accumulate over the lifetime of the helipad lighting system.

#### REDUCE MAINTENANCE

The maintenance free system has long life expectancy. The high-quality lithium batteries ensure reliability in almost any climate. The Solar Power System provides a 5-year warranty.

#### FULL CONTROL

Available with optional RF Controller. This enables the entire helipad lighting system, including all components to be controlled wirelessly from ground and helicopter.



# SPECIFICATIONS

## OPTICAL

<b>Configuration</b>	Portable Helipad Emergency Lighting System
<b>Colours</b>	Cool White LED luminaire - Wind Cone LED Red Obstruction Light - Wind Cone Green LED Helipad Lights - FATO
<b>Obstruction Lights</b>	LED L810 RF and Infrared and NVG option
<b>Helipad Lights Portable</b>	LED Visible, Infrared and NVG option (10 units)
<b>Visible LED Light</b>	Green / Red / White
<b>Operating Profiles</b>	Radio Frequency Controller (air/ground) 24/7, Custom

## MECHANICAL

<b>Mounting</b>	Frangible Couplings Aluminum Frame - Wind Cone Stainless Steel Pole Mount - Power System
<b>Wind Cone and Solar Engine</b>	4.5" Mid-pole side mount 6061-T6 powder coated aluminum Solar Engine mounted separately to meet maximum height requirements
<b>Housing Light</b>	Polycarbonate
<b>Housing Light Color</b>	Yellow, green or black
<b>Dimensions per Light</b>	84mm(l) x 84mm(w) x 65mm(h)
<b>Weight</b>	49-55 lbs. (22-25 kg) approx. - Wind Cone 1.60-1.70 lbs. (0.73 kg) approx - Single Portable Light

## ELECTRICAL

<b>Battery</b>	Storage AGM 12V Sealed Lead Acid Mil Spec Batteries
<b>Solar Panel</b>	80W nominal, 12V, CSA certified (panel size 62" x 26") Solar Cells Sealed in Waterproof Epoxy
<b>Autonomy</b>	5 days (without charging) - Wind Cone 18 hours steady mode (without charging) - Helipad Light
<b>Alternate Power</b>	AC / Solar hybrid available

## ENVIRONMENTAL

<b>Operating Temperature</b>	-40°C to +50°C
<b>Weather Protection</b>	Enclosure Light IP65

## WARRANTY

<b>Warranty</b>	2 year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)
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