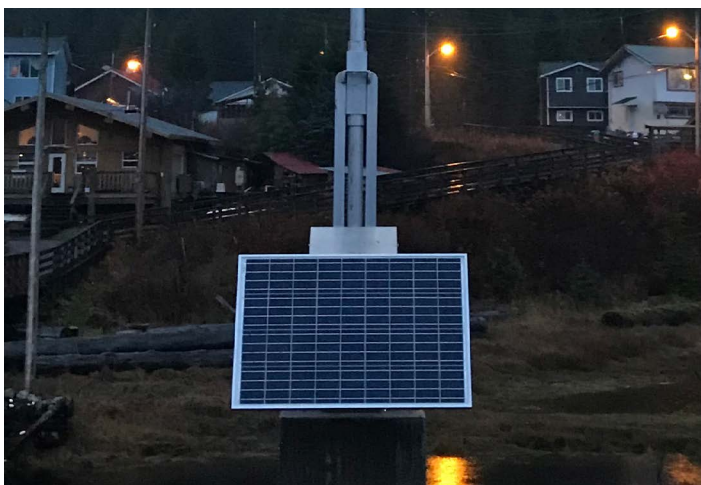


## Solar Series Permanent Surface Helipad S248 LED Wind Cone

With over 50 years experience in the design, manufacture and delivery of internally lighted wind cones, the Solar Series Permanent Surface Helipad S248 LED Wind Cone is the most proven and most installed off grid solution in the market. Operating on all continents in the most demanding environments, industry's toughest clients rely on the Solar Series Permanent Surface Helipad S248 LED Wind Cones for civil and defense operations. Backed by the best warranty in the industry. Aviation Renewables provide both standard and custom designed solar LED wind cone solutions for airports, runways, helipads and manufacturing facilities.

The Solar Series Permanent Surface Helipad S248 Wind Cone includes intelligently engineered aluminum tilt-pole with a patented aluminum swivel system that is designed to facilitate easy installation and servicing by a single person with no electrical infrastructure requirements. Unlike many competing manufacturers that require two mounting points, the integrated tower and power system of the Solar Series S248 only requires one mounting point saving time and cost.



# SPECS

## Solar Series Permanent Surface Helipad SS248 LED Wind Cone

### FEATURE BENEFITS

#### INCREASE SAFETY & VISIBILITY

Internally lighted windsocks are more visible for pilots than externally lighted. The Solar Series wind socks are made with a durable but lightweight colourfast fabric.

#### REDUCE COSTS

Being 100% solar powered and self-contained, single mounting point installation is dramatically less expensive compared to towers with detached solar systems that require 2 mounting points (one for tower, one for power system) or conventional systems that require trenching, cabling or electrical services. No power requirements means no reliance on grid or generator power.

#### REDUCE MAINTENANCE

Solar powered means no external power and zero energy costs. Internal LED lighting is up to 10 times more energy efficient than external incandescent windsock lighting.

#### FEATURING

All aluminum construction with stainless steel hardware. Patented fully sealed swivel complete with high quality bearings. Vivid internally lit fixture providing precisely directed illumination. Tilt mechanism for easy installation with one or two people.



aviationrenewables

# SPECIFICATIONS

## COMPLIANCE

Surface Helipad S248 Series	ICAO for Surface Heliports Annex 14, Vol 2, 5.1.1.
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## OPTICAL

Obstruction Light	3 Options: No Light, Visible FAA L810 (ICAO LIOL), Visible L810 with IR
Sock Lighting	12W cool white LED floodlight luminaire
Output	580 lumens at source
Configuration	Internally lit, adjustable LED intensity
Operation Profile	Dusk to dawn
LED Life Expectancy	Up to 60,000 hours

## MECHANICAL

Configuration	Aluminum tilt pole
Overall Height	17'9" standard, custom sizes available
Tilt Mechanism	Counterbalanced tilt at 4'6"
Swivel	Patented maintenance free sealed aluminum swivel
Mounting	Aluminum base plate with 4-bolt pattern for concrete mount. 3/4 hot dipped galvanized anchor bolts
Frangibility	Optional ICAO and FAA certified frangible fuse bolt mounting system
Sock Dimensions	24" x 8'
Fabric	Polyethylene coated colorfast 4.5oz nylon Orange/White, Solid Orange or custom
Frame Material	All Aluminum

## ELECTRICAL

Configuration	Integrated DC solar charging system
Solar Module	100 Watt poly-crystalline panel
Battery	100 Ahr AGM sealed battery approved for air transport
Charge Controller	Sealed precision micro controller with push to test button
Autonomy	5 days or greater, depending on location
RF Controller	Optional Radio Frequency Controller for on/off control

## WARRANTY

Warranty	3 year warranty. Excludes battery and fabric
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