

Solar Series Permanent Airfield S3612 LED Wind Cone

With over 50 years experience in the design, manufacture and delivery of internally lighted wind cones, the Solar Series Permanent Airfield S3612 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 Airfield S3612 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 Airfield S3612 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 concrete pads the integrated tower and power system of the Solar Series S3612 only requires one concrete pad saving time and cost.



SPECS

Solar Series Permanent Airfield S3612 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, installation is dramatically less expensive compared to competitors with detached solar systems that require 2 concrete pads (one for tower, one for power system) or conventional systems that require trenching, cabling or electrical services. No power requirements: 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

**Permanent Airfield
S3612 Series**

ICAO Annex 14 Volume 1, 6th Edition Section 5.1.1.

OPTICAL

Obstruction Light

5 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

Operation Profile

Dusk to dawn or Radio Control

LED Life Expectancy

Up to 60,000 hours

MECHANICAL

Configuration

Counter-weighted Aluminum tilt pole with single concrete base

Overall Height

17'9" standard, custom heights 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

36" x 12'

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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