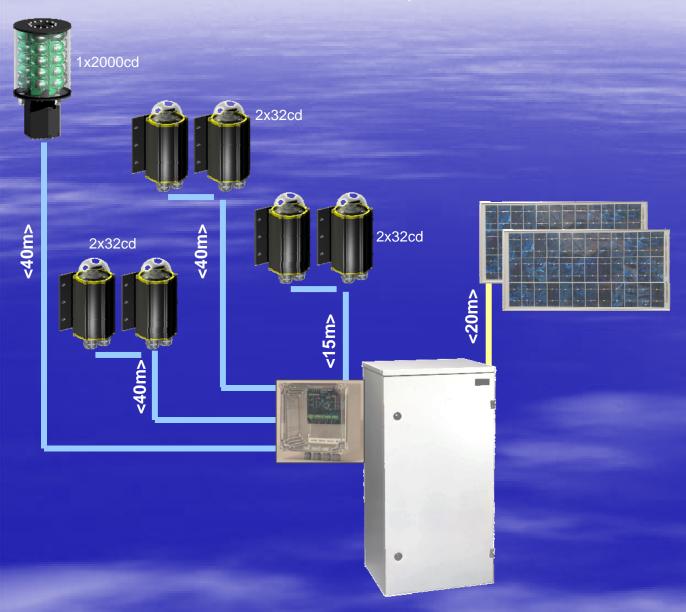
SOLAR POWERED OBSTRUCTION LIGHT



TYPE: SPOL 6x32 + 2000 BEL
FAA L-810 / ICAO LOW INTENSITY TYPE B 32CD
ICAO MEDIUM INTENSITY TYPE B 2000CD, FAA L-864



Solar Powered Obstruction Light System (SPOL) fully self-contained and reliable air traffic warning light for telecom towers, bridges, cranes, power lines etc. The light is designed by using ultra bright LED combined with high precision lens which are powered by a high efficient solar system. The low weight system is very fast and easy to install. These optimized components will provide a very long lifetime without regular maintenance. The system production is ISO9001:2000 certified and registered by Lloyd's.

Key features

- •No regular lamp replacement due to high intensity LED technology
- •Low investment and OPEX costs
- •Fast and simple installation
- Low weight
- Low wind load
- No grid power supply needed
- Long lifetime

TECHNICAL DETAILS

Obstacle Light

Obstacle Light

Quantity 6pcs 32cd and 1pcs 2000cd obstacle lights
Light source Ultra bright led, stabilized light output

Light focusing By high precision lens

Cover Glass

Intensity >32,5cd(meets FAA L-810 and ICAO low-intensity,

Type B Fixed Obstacle Light) and >2000cd (meets FAA L-864 and ICAO medium intensity Type B

flashing Obstacle Light)

Light color Aviation red

Light pattern Steady burning 32cd and flashing 20fpm 2000cd

Light activation Automatically activated during night time

LED lifetime >100.000 hours of operation

RF emissions No RF-radiations

Horizon. output 360°

Vertical output 15° (32cd) 3° (2000cd)

Encapsulation IP65 (32cd) and IP67 (2000cd)

Operating temp. -55°C...+55°C Input voltage 21-28 Vdc

Frame Anodized marine grade aluminum in black color

Wind load up to 200km/h or less than 40 N

Terminal box 1,5-6mm2 wires Dimensions 1.1kg (32cd)

10kg (2000cd) height300mm, diameter 200mm

Lamp cable 50m UV-protected copper cable with screen conductor

(extended cables cana be provided on request)

Warranty 5 years limited



Color White

Cabinet material Stainless steel AISI304, powder painted in white color

Mounting set For 75mm pole mast, stainless steel fittings

Encapsulation IP44 (without ventilation IP65) Size 804mm x 406mm x 325mm

Weight app. 95kg including 80kg battery bank

Battery frame 2pcs sealed batteries

Warranty 5 years limited

Solar Module

Rated power 2pcs 65Wp Rated current 3,8A Imp Rated voltage 17,1 Vmp Module effic. 13,0% Cell efficiency 14,8%

Top cover Glass, sun grade 3mm
Rear cover Tedlar-Polyester-Tedlar film

Encapsulant EVA/GFmat/TPT Frame Anodized aluminum

NOCT 45 °C

Size 1000mm x 500mm x 34mm

Weight 6,5kg

Diodes 2pcs factory fitted bypass diodes

Junction box 1pcs, IP65

Cable UV-protected copper cable 10m

Design life >30 years
Warranty 25 years limited

Standards Manufactured as per IEC61215







32 cd led light



High efficient solar module

Solar module structure

Material Color Tilt angle Stainless steel AISI304, powder painted Black frame with white pole mast fitting

Adjustable 15 ° - 90 ° for 75mm pole mast Mast fitting

Weight 3,6kg

System controller

Naps Mmini Pro Type Nominal voltage 12V or 24V

10A Max. current

Solid state Charging type

Temp. compens. -30mV/ °C

Load circuits 2 x 7A

11,3V / 11,8V or 22,6V / 23,6V LVD

LVD delay 1 minute

Load overvolt. 15,7V or 31,V disconnected

Load reconnect 12,9V or 25,8V

Consumption <4mA

Display LEDs PV current, LVD status Circuit board **Conformal coated** Operating temp. -20°C...+55°C

Weight 0,2kg

Alarm Controller

CSW-24-16-F Type Nominal voltage 24-28Vdc

Two pole cont. Normally open (NO) and Normally closed (NC)

Switch voltage max 110Vdc Switch current max 1A Switch power max 30W Power consum, <25mA Light activation 200lux

Over-current, under-current, Output, Selftest Indicators

Operating temp. -40°C...+55°C

Battery Bank

Battery VRLA, lead acid sealed

Design lifetime up to 10 years @ 20°C (high ambient temp.

may affect overall lifetime)

Autonomy >170 hours

Warranty

Solar module 25 years limited Battery 2 years limited **System** 5 years limited



Adjustable stainless steel structure



Professional system controller



Alarm controller (optional)



MOUNTING FITTINGS

