ATLANTS SOLAR

SOLAR WARNING and OBSTRUCTION LIGHTS FOR AVIATION

Applications :
Wind Mills
Bridges
Buildings
Lighthouses
Cooling Towers
Chimneys
Cranes
Telecommunication Towers
Transmission Line Towers
Wind Cones
Turbines
Offshore Oil and Gas Platform
Airports etc..

Housing materials: polycarbon and aluminum alloy
With pressure and abrasion resistance
Warning or signal on tower, TV station and airport
Uses clean and eco-friendly solar power
Easy for installation
No wire needed
Automatically turn on and off by photo sensor

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LED type silicon solar-powered aviation obstruction light mainly consists of a durable plastic lens, a flasher, aluminium alloy cell box and fixture, maintenance-free storage cells and a physical silicon solar panel.

The plastic lens is a fresnel lens moulded with polypropylene acid plastics. This kind of lens has excellent light transmittance and is anti-sunbeam-aging. The flasher utilizes quality electronic components to form the light-control switch which controls the imported super long-life LED chip to give off bright flash light. The lifetime of LED is 20years.

The perfect combination of high-efficiency physical silicon solar panel and high-capacity storage cells provides adequate power for the flasher to keep flashing for 15-20 days continuous overcast and rainy days. This product doesn't require any maintenance for 3 years if used in normal conditions.

Light intensity >40000cd

Model	ATL-SOL70	ATL-SOL90	ATL-SOL123
Plastic lens	70mm	90mm	123mm
Working voltage	DC： 12V(+/-)20%		
Static current	10mA		
flash frequency	20~60 times/min (adjustable)		
Lighting color	RED, GREEN, BLUE, WHITE, ORANGE(RED is normal)		
Lighting range/ visibility	>5Km(T=0.95) - +5000 Mts		
light control sensitivity	200LX(adjustable)		
storage cell capacity	12V7AH	12V12AH	12V7AH
Lighting under overcast and rainy weather	18days	20days	15days
Working environment	-40 ~+70		
level of protection	IP65		
Bottom installation specification	Max circle Φ180 ， pitch circuleΦ150mm， Average 8-Φ10mm hole		
Lamp net weight	8 kg	12kg	8 kg
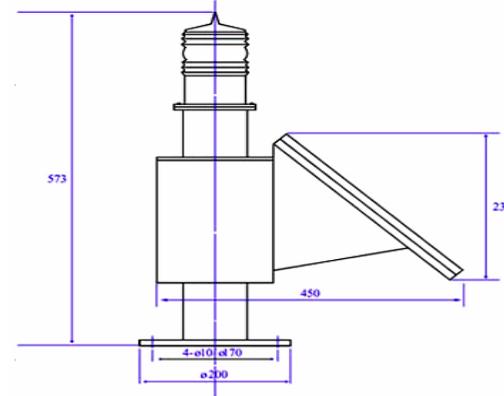
Number of obstruction lights to be placed on tall structures can be calculated by the following formula –
Number of Lights = N = Y/45
Where Y is the height of the Obstruction.
Light spacing = X = Y/N <= 45m
There should be atleast 45 meter gap between two obstruction lights installed on tall structures.

RoHS COMPLIANT CE

ISO9001