

Solar Power ART-MAS-02 (SINGLE) Medium intensity Type A Aviation Obstruction Light



SOLAR POWER

Products Description

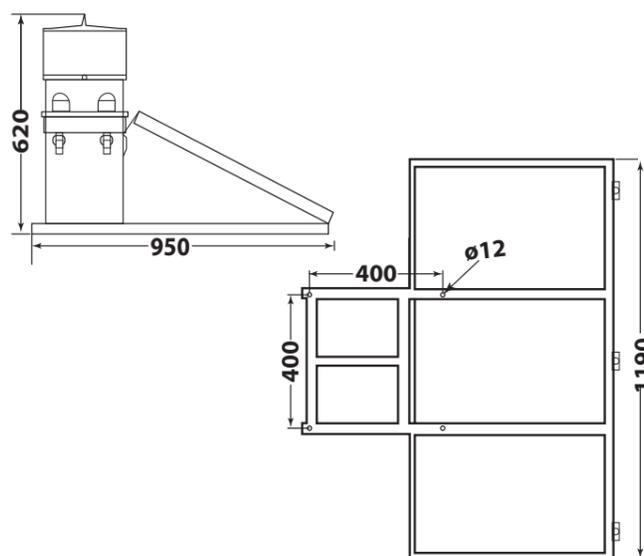
Type A Medium-intensity solar power aviation obstruction light

Type A Medium-intensity solar power aviation obstruction light, its shell adopt high intensity casting aviation aluminum, Light source adopt high efficient SMT LED chip and combine three layers overlay reflective optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment.

Features

- Housing adopt high intensity casting aviation aluminum.
- Advanced energy-saving technology, overall power consumption $\leq 11W$.
- Adopt high power chip LED chip, with specific of high brightness, low energy consumption, long life and so on.
- With three layers overlay reflective optical system
- Spotlight angle meet GACA and ICAO requirements.
- With surge protection device, which can adopt to extremely bad working environment.
- Adopt high conversion efficiency monocrystalline silicon chip, its service life is more than 20 years
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- Built-in independent battery charge and discharge management module, easy maintenance.
- It can be customized functions of GPS Beidou wireless synchronization, LORA-10KM wireless sync, Remote control and telemetering.
- User can choose integrate type or split type of solar power system according to site requirement.

Dimension



Specification

Performed Standard	GACA	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment

Model	ART-MAS-02 (SINGLE)	Vertical Divergence	$>10^\circ$
Power supply	Solar power supply	Horizontal Out-put	360
Power frequency	DC supply	Overall Size	1190mm*950mm*620mm (L*W*H)
Average power	$\leq 11W$	Installation size	400mm*400mm*M10
Solar panel power	120W	Battery power	3120WH
Working mode	Flash 20-60times/min	Ambient Temperature	$-40^\circ C \sim +55^\circ C$
Emitted color	White		
Light source	LED	Weight	$\approx 62KG$
Shell material	Aviation dedicated Aluminum alloy	Wind load	240km/h
		Luminous mirror material	optical PC
Light source lifespan	$\geq 200000h$	Protection grade	IP65
Surge Protection Grade	3KA		
Get wet in the rain	Can be exposed to rain in any wind direction	Relative humidity	$0\% \sim 95\%$
		Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Leakage current	/
Seismic resistance	10~500Hz,2G10min/cycle, XYZ 60 minutes for each axis	EMC standards	Emitted:EN55022(CISPR22) class A harmonic wave: EN61000-3-2,-3
		Altitude	$\geq 5000m$
Mean Time Between Failure	$\geq 200000h$, MIL-HDBK-217F(25°C)	Effective intensity	Night : 2000 cd, daytime: 20000 cd
		Photocell stage	50/100Lux

Application

Block,, Airport, High-Pole Lamp, Chimney, Bridge, Towers, Communication Tower, Super High Building