

Alrouf LED ART-MBS-02 (SINGLE) Solar Power Medium intensity Aviation Obstruction Light



SOLAR POWER

Products Description

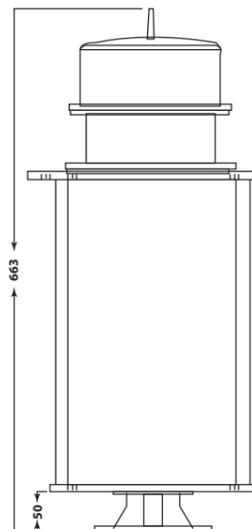
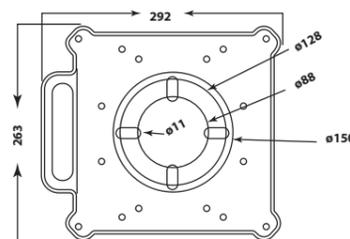
Solar Power Medium intensity Type B

ART-MBS-02(SINGLE) Type B Medium-intensity solar power aviation obstruction light, its shell adopt high intensity casting aviation aluminum, Adaptive range $\phi 88 \sim 128\text{mm}$ of installation size. Light source adopt high efficient SMT LED chip and combine with reflecting 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. Built-in advanced battery management protection module, which can prolong the battery lifespan effectively

Features

- Housing adopt high intensity casting aviation aluminum.
- Adopt high power SMT LED chip, which have the specific of high brightness, low power consumption and long long lifespan.
- Adopt with independent research and development advanced optical lighting system
- Spotlight angle meets 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.
- 4pcs high-power solar panel design, high charging efficiency.

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-MBS-02 (SINGLE)	Vertical Divergence	3°
Power supply	Solar power supply	Horizontal Out-put	360
Power frequency	DC supply	Insulation characteristic	/
Average power	≤2.5W	Installation size	Φ88~128mm*4*M8
Solar panel power	4x14W	Battery power	/
Working mode	Flash 20-60times/min	Ambient Temperature	-40°C~+55°C
Emitted color	Red		
Light source	LED	Weight	≈20kg
Shell material	Aviation dedicated Aluminum alloy	Wind load	240km/h
		Luminous mirror material	optical PC
Light source lifespan	≥200000h	Protection grade	IP65
Anti urge Protection rating	3KA		
Get wet in the rain	Can be exposed to rain in any wind direction	Relative humidity	0%~95%
		Salt spray	Can be exposed to salt spray
Radiation	Can be exposed to solar radiation	Overall Size	Not include solar system: 215*215*204mm (L*W*H) Include solar system : 292*263*663(L*W*H)
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	≥2500m
Mean Time Between Failure	≥200000h, MIL-HDBK-217F(25°C)	Effective intensity	night : 2000cd
		Photocell stage	50/100Lux

Application

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