LED Solar Powered Marine Lanterns AL-ML-S7

(Short Visible Range)

(Long Visible Range)

IR programmer

IP68

APPLICATION

This LED Marine Lanterns is completely self-contained lantern. Four (4) solar panels are integrated into the assembly and mounted to collect sunlight at all angles.

CREE Ultra high intensity LED is used as light source which make performance better.

There is no need to open the light, the light flashing characteristics (IALA 366 flashes) could be remote controlled by IR Programmer easily. (Optional)

GSM Monitoring as optional function, when fault happens, it will send out text message automatically.

Compliance

- IALA E-200-1
- CE

Features

Electrical

- Based on LED technology, and its color complies to IALA Recommendations E-200-1.
- LED technology reduces maintenance time & costs

Physical

- PC housing, UV resistance, shockproof and corrosion proof.
- Bird deterrent spike
- Powder coated die casting aluminum base
- 4-side mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon

System design

- Built-in photocell for day/night operation (dusk to dawn)
- ON/OFF button interface located under base
- Steady mode is a special working mode which need much power, if the normal working mode is steady, let us know before our offer.

Optional

- Charging port & External battery charger
- GSM Cellphone Monitoring
- RS232 communication port
- GPS Sync flashing
- 366 IALA flash characteristics adjustable
- Infrared Programmer for flashing rate setting

Application

- AL-ML-S7 Solar Marine Lantern is used on buoy, light house and any other off shore site for marine/river safe navigation.

MIMIC COMPONENTS
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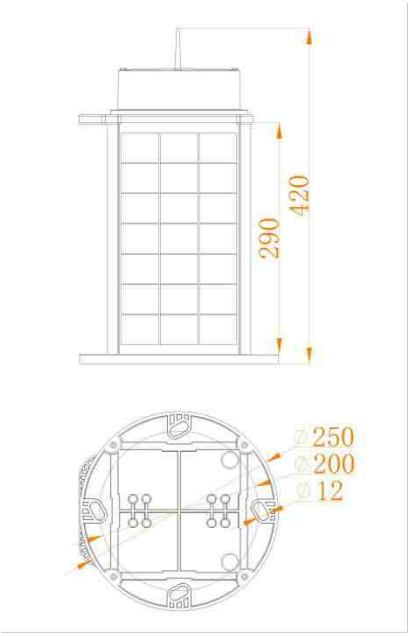
Dimension(mm)



SPECIFICATIONS	AL-ML-S7 LED Solar Powered Marine Lanterns
Light Characteristics	
Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue,
Visible Range(nm, AT@0.74)	3-10NM available (Standard：4-5NM)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10° or ≥5°
Flash Characteristics	FL3S(0.2,2.8) (others are optional)
Operation Mode	Dusk-to-dawn Automatically (Built-in photocell)
LED Life Experience(hours)	>100,000
Electrical Characteristics	
Operating Voltage	7.4Vdc or 12Vdc
Circuit Protection	Integrated
Solar Characteristics	
Solar Module Type	Mono crystalline Silicon
Output(watts)	5W *4
Charging Regulation	Microprocessor controlled
Battery Characteristics	
Battery type	Lithium ion Battery(VRLA is optional)
Battery Capacity (Ah)	12AH as standard(Others are customized)
Nominal Voltage (V)	7.4V or 11.1V
Battery Service Life	Average 5 years
Autonomy(Day)	≥15days(Duty cycle=20%, Longer is customized)
Physical Characteristics	
Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting(mm)	200×200×Φ12
Dimension(mm)	250×250×420
Weight(kg)	5.5
Product Life Expectancy	≥10 years
Environmental Factors	
Humidity	0~100%
Wind Speed	240km/h
Waterproof	IP68
Temperature(℃)	-40~75
Compliance	
IALA	Signal colors compliant to IALA E-200-1
Options Available	
	GSM Cellphone Monitoring
	RS232 communication port
	GPS Sync flashing
	Charging port & External battery charger
	366 IALA flash characteristics adjustable
	Infrared Programmer for flashing rate setting

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