

LED Solar Powered Marine Lanterns

AH-LS/C



This LED Marine Lanterns is completely self-contained lantern, adopting insert high efficient solar panels integrated design, cooperate with solar dedicated lithium ion battery as power supply.

It is full-sealed structure ensure(IP68) no water go inside. There is a ON/OFF button under base make local control easier.



Compliance

- IALA E-200-1

Features

Electrical

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

Physical

- Integrated design, enabling a rugged and completely waterproof seal capable of prolonged and deep immersion (IP68).
- PC housing, UV resistance, shockproof and corrosion proof.
- Bird deterrent spike
- Powder coated die casting aluminum base
- Built-in 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 operation)
- User-adjustable working mode between steady&flashing(20fpm)
- ON/OFF button interface located under base

Optional

- User-adjustable operation mode to toggle between dusk-till-dawn & 24hr operation
- External charger
- Flashing rate optional
- Bluetooth remote control

Application

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



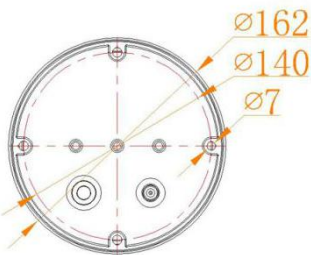
APPLICATION



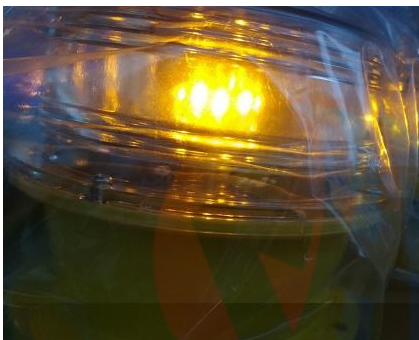
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Dimension



Production Flow Chart



SPECIFICATIONS

AH-LS/C LED Solar Powered Marine Lanterns

Light Characteristics

Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue
Visible Range(NM)	1-3 (AT@0.74)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	7
Flash Characteristics	Adjustable Steady/Flash mode
Operation Mode	Dusk-to-dawn Automatically (Built-in photocell)
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	3.7Vdc
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono-crystalline Silicon
Output(watts)	1.8
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Lithium ion battery
Nominal Voltage (V)	3.7
Battery Service Life	Average 3 years
Autonomy (hours)	Steady: 60 Flashing: 150

Physical Characteristics

Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting(mm)	140×140×Φ7
Dimension(mm)	162×162×160
Weight(kg)	1
Product Life Expectancy	Average 5 years

Environmental Factors

Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP68

Compliance

IALA	Signal colors complying to IALA E-200-1
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Options Available

Charging port
Flashing rate
Bluetooth remote control IALA 256 flashes
Photocell switch