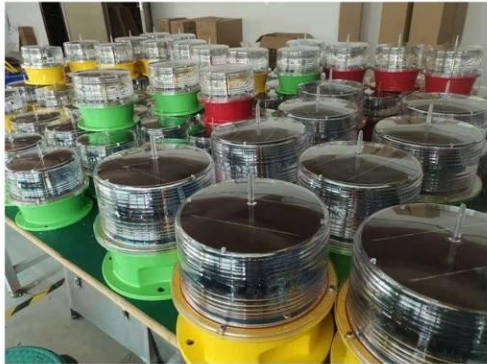


SOLAR POWERED MARINE LANTERNS



DEYUAN MARINE CO., LTD.

LED Solar Powered Marine Lanterns

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

IP68

Features

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

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

APPLICATION

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

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

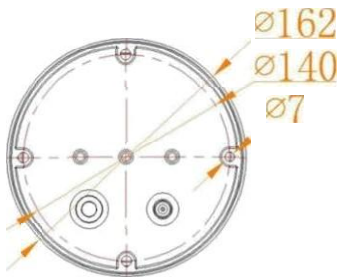
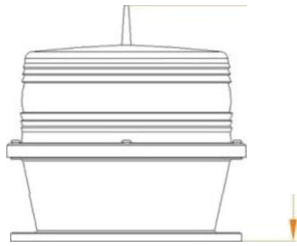
Application

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

Lanterns

LED Solar Powered Marine

Dimension



Production Flow Chart

Light Characteristics

Light Source	LED
Available CoJom	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•07
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
Wireless remote control
Photocell switch