

SOLAR-X-10NM

6NM~10NM-Selfcontained Marine Larnern



- User selecta le power and flash character settings via DM Bluetooth -Smart App (Android Base)
- Max Distance up to 10nm
- SOLAR-X-10NM series is a self-contained lantern powered solar energy and lithium attery with integrated structure design.
- It has the characteristics of low power consumption, easy maintenance and aging resistance.
- It can e widely used in inland rivers, Coastal and har or light buoys.
- This series of lamps is composed of LED point light source, lens, solar panel and weather-resistant material base.
- The lamp can easily realize the remote measurement and control of the lantern through the NB-IoT or 4G communication method with DIMON Ma rine Monitoring system App.
- The GPS high-precision clock is used to realize the synchronous flash function;
- The maximum range is >5 nautical miles, the vertical divergence angle is 2.5 degrees, and the horizontal divergence angle is 360 degrees.

Technical Data

Features 功能

Long Life -LED Light Source
Optional GPS synchronisation module
4 levels of luminous intensity adjustment to adapt to different range requirements.
Available in all IALA approved colours
256 user selectable flash characters and selectable daylight sensor
Magnetic On/Off Switch for quick deployment and hassle free storage maintenance check
User selectable power and flash character settings via BLUE-Tooth 5.0 meter
Optional Control protocol : NB-IoT for Long Distance Wireless control
Working hours lasting up to 30 days in bad weather (1:1 ratio of light to dark).
Optional GNSS synchronized-control flash function by GPS or BDS
Optional 4G wireless DIMON Monitoring system for comprehensive fault alarm and status monitoring.
Ingress Protection: IP68

Selectable Range 可選範圍	6-10 nautical miles selectable 可選範圍
Available Colours 可選顏色	• Red 紅 Max Intensity : 1803cd • Green 綠 Max Intensity : 1860cd • Yellow黃 Max Intensity : 1830cd • White 白 Max Intensity : 1893cd
Visibility能見角	360° horizon (omnidirectional)360° 地平線 (全向)
Vertical Divergence 垂直發散角度	±2.5°
Flash Codes 燈質閃爍編號	Up to 256 codes IALA , field selectable
Synchronisation同步	• GPS-Global Positioning System全球定位系統 - or 或 • BDS-BeiDou Navigation Satellite北斗導航衛星
Daylight (Lux) Sensor 日光傳感器	Default 300Lux (100~1000Lux adjustable) 默認 300Lux(100~1000Lux 可調)
LED Lamp Input Voltage and Power LED燈輸入電壓和功率	DC7.3V 15W
Solar Power 太陽能功率	40W (4 x 10.0W DC7.3V) Solar Panels 40W (4 x 10.0W DC7.3V)太陽能電池板
Battery Capacity 電池容量	7.3 V 238AH 1737.4 Wh Lithium Ion (Comply IEC 62133-2 ; UL1642 , UN38., MSDS) 7.3 V 238AH 1737.4 Wh 鋰離子電池 (通過以下測試標準 IEC 62133-2 ; UL1642 , UN38., MSDS)
Duration 耐用時間 Working hours on rainy days 雨天工作時間	Standard configuration for 30 days @ ON/OFF : Ratio 1:1 標準配置 30 天 @ 明暗設計 比例 1:1
Control Protocol Selection: 控制協議選擇:	• BLUE Tooth 5.0 up to 40meter for IALA Flasing Code, Lux Sensor and Distance setting. Battery monitoring by APP software • 藍牙 5.0 最遠 40 米, 用於IALA閃光代碼、勒克斯感光度度和距離設置 都可以通過APP軟件監控電池 • NB-IoT Overvoltage and Undervoltage, Fault, Position offset report by PC IOT Software • 電腦軟件透過4G/ NB-IoT協議做燈具的 過壓和欠壓、故障、位置偏移監測回報 • BDS-BeiDou Navigation Satellite & 4G Wireless control system: Overvoltage and Undervoltage, Fault, Position offset report by PC 4G Software • 電腦軟件透過 北斗或4G協議做燈具的 過壓和欠壓、故障、位置偏移監測回報
Magnetron Switch 磁控開關	For Turn On and Turn OFF Lantern Power 用於打開和關閉燈具電源
Net Weight 淨重	10KG
Dimension 尺	Dia 250mm x H: 640mm
Operating Temperature Range 工作溫度範	-35° to +60°C
Ingress Protection-防護等	IP 68
Housing materials外殼材	UV resistant molded polycarbonate 抗紫外線模塑PC
Mech impact protection機械衝擊保	IK08
Certification	    

Project	Fixture#	Date
		Firm

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [SOLAR-X-10NM-R-BG-GPS](#)

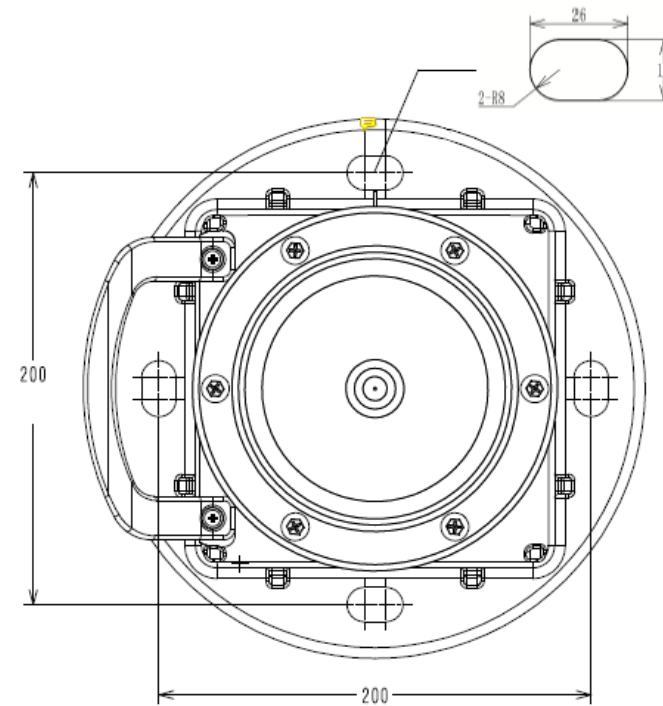
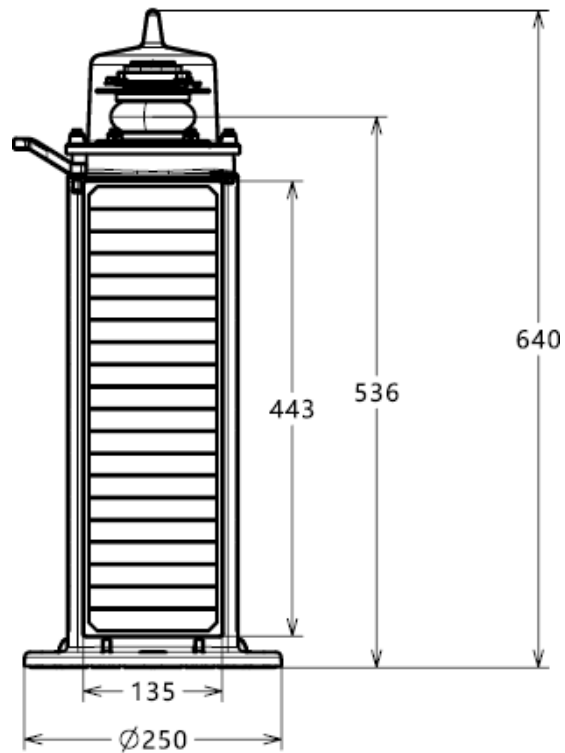
SOLAR-X-10NM - - -
Color
Control
Synchronisation

Color		Control		Synchronisation	
Code	Description	Code	Description	Code	Description
R	Red	AIS	AIS	GPS	GPS
G	Green	4G	4G Wireless control system	BSD	BDS-BeiDou Navigation Satellite
Y	Yellow	BG	4G Wireless control system & BLUE Tooth 5.0		
W	White				



Optional AIS

- The AIS effective radius is 12 nautical miles and the maximum range is 8 nautical miles.
- 161.975MHz and 162.025MHz dual AIS frequency point transmission



Unit: mm