

## SOLAR-X-3NM

1NM~3NM-Selfcontained Marine Larnern



- SOLAR X series is a self-contained lantern powered by solar energy and lithium battery with integrated structure design.
- It has the characteristics of low power consumption, easy maintenance and aging resistance.  
It can be widely used in inland rivers, Coastal and harbor light buoys.
- This series of lamps is composed of LED point light source, lens, solar panel and weather-resistant material base.
- The GPS high-precision clock is used to realize the synchronous flash function;
- The range is >3 nautical miles
- The vertical divergence angle is  $8.3\pm 0.3$  degrees and the horizontal divergence angle is 360 degrees.


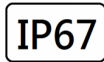
# SOLAR-X-3NM

## 1NM~3NM-Selfcontained Marine Lartern

### Technical Data

#### Features

- 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 an optional IR
- Working hours lasting up to 20 days in bad weather (1:1 ratio of light to dark).
- Optional GNSS synchronized-control flash function by GPS and BDS
- Ingress Protection: IP67

Selectable Range	<ul style="list-style-type: none"> <li>• 1 nautical miles (T=0.74)</li> <li>• 2 nautical miles (T=0.74)</li> <li>• 3 nautical miles(T=0.74)</li> </ul>
Available Colours	<ul style="list-style-type: none"> <li>• Red</li> <li>• Green</li> <li>• Yellow</li> <li>• White</li> </ul>
Visibility	360° horizon (omnidirectional)
Vertical Divergence	8.3°±0.3
Flash Codes	Up to 256 codes IALA , field selectable
Synchronisation	Optional GNSS (GPS+BDS)
Sunswitch Threshold Daylight Sensor	Default 300Lux (100~1000Lux adjustable)
Input Voltage	DC3.6V
Power settings	4 levels adjustable from 1NM to 3NM
Solar Power	4W (4 x 1W) Scratch-resistant Solar Panels
Battery Capacity	<ul style="list-style-type: none"> <li>• Standard Type NVA-P3622 :3.6V 22.4AH Lithium-Ion Rechargeable Cell Battery (self-protection)</li> <li>• Optional Type : 3.6V 30AH Lithium-Ion Rechargeable Cell Battery (self-protection)</li> <li>• Optional Type : 3.6V 52AH Lithium-Ion Rechargeable Cell Battery (self-protection)</li> </ul>
Control Protocol	• Handheld IR controller
Magnetron Switch	YES
Weight	2.5KG for Standard Version
Dimension	Dia 235mm x H: 225mm
Operation Temperature	0° to +60°C
Ingress Protection	IP 67
Housing materials	UV resistant molded polycarbonate
Carton Size :	L*W*H (310x290x278mm)
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.

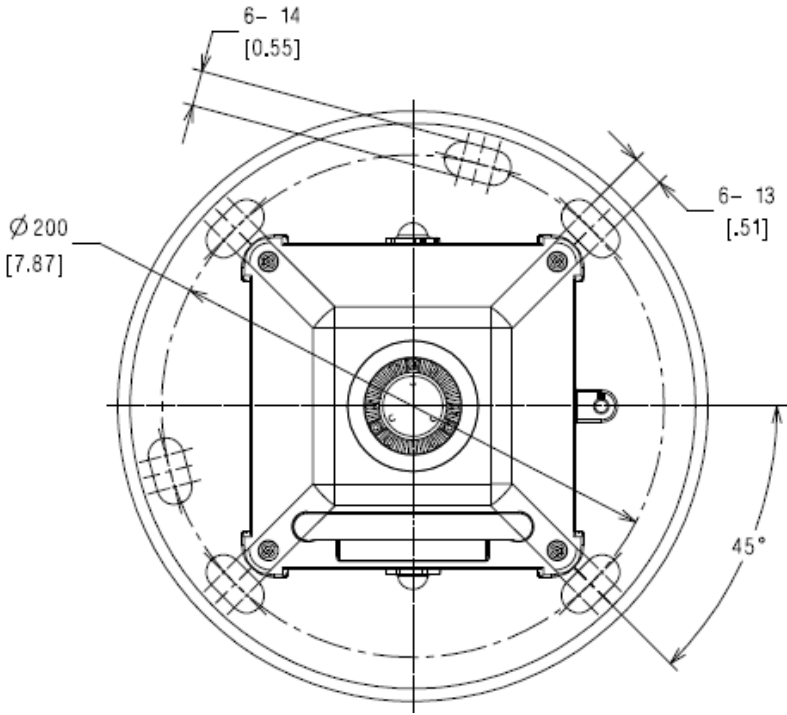
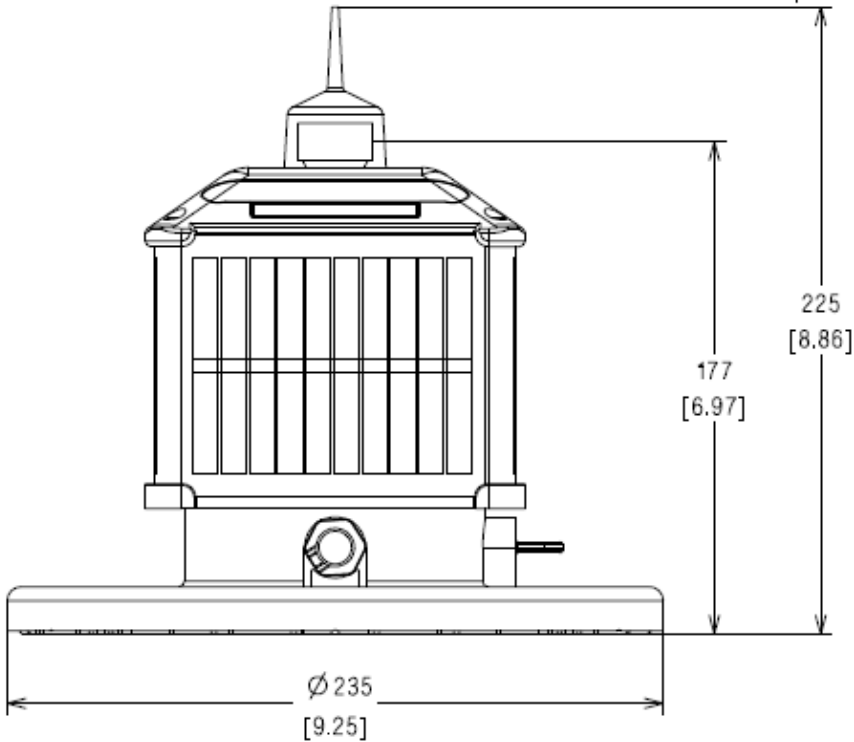
Example product code: [SOLAR-X-3NM-R-30AH-GPS](#)

SOLAR-X-3NM - - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Color
Battery Capacity
Synchronisation

Color		Battery Capacity		Synchronisation	
Code	Description	Code	Description	Code	Description
<a href="#">R</a>	Red	<a href="#">22AH</a>	Standard Type: 3.6V 22.4AH Lithium-Ion Rechargeable Cell Battery (self-protection)	<a href="#">N</a>	Without GPS
<a href="#">G</a>	Green	<a href="#">30AH</a>	Optional Type: 3.6V 30AH Lithium-Ion Rechargeable Cell Battery (self-protection)	<a href="#">GPS</a>	GNSS (GPS+BDS)
<a href="#">Y</a>	Yellow	<a href="#">52AH</a>	Optional Type: 3.6V 52AH Lithium-Ion Rechargeable Cell Battery (self-protection)		
<a href="#">W</a>	White				



Technical Drawing



Unit: mm