

Solar Sailing Light

Come from nature, Light up the future



Solar panel as the sail, lamp body as the boat
May you have favorable winds in your sails



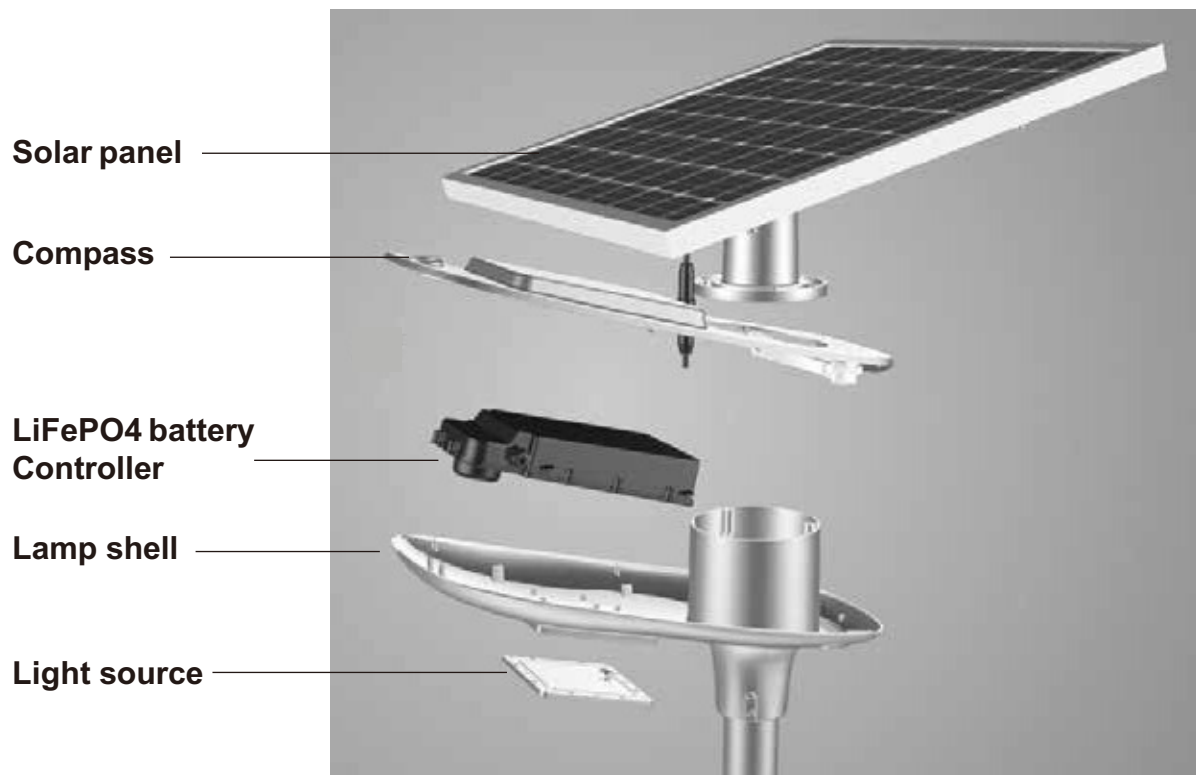
CONTENT

1. Unique Structure Design	02
2. Core Technologies	04
3. Remote Control	05
4. Light Distribution	06
5. Dimension	07
6. Parameter	08
7. Application	09

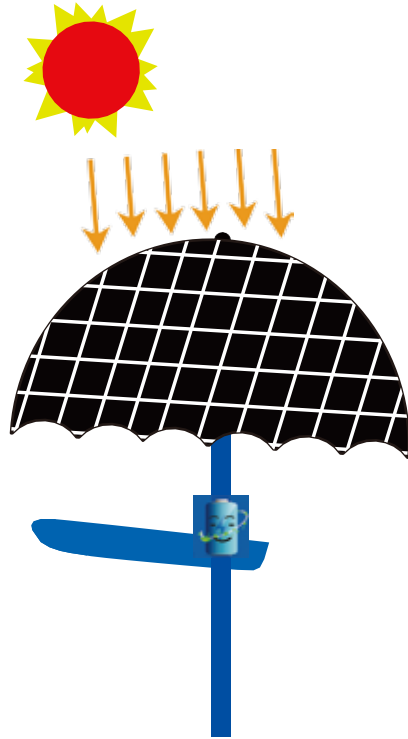
01

Unique Structure Design

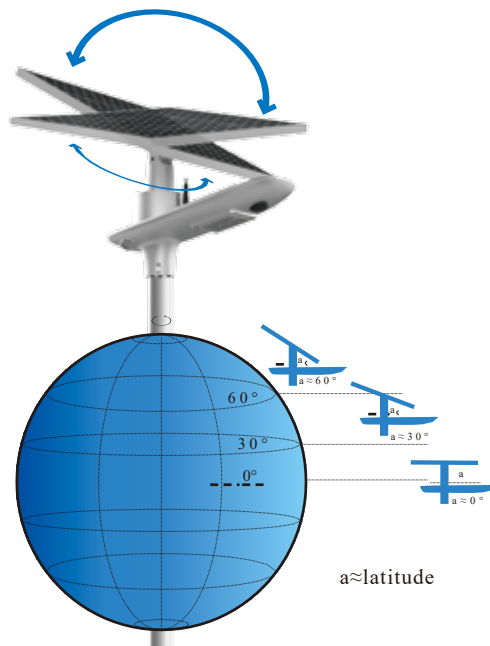
- Integrate the solar panel, led body, battery and controller into whole system.
Easy to transport, install and maintain.



- Solar panel looks like an umbrella to protect battery from high temperature and extend the lifetime. Perfectly solve heat dissipation.



- Solar panel can be adjustable manually in vertical and horizontal direction, ensure the maximum efficiency of solar energy.



02

Core Technologies



Unique Integration Design

Easy to transport, install and maintain



Rotating Solar Panel

Solar Panel can be adjusted in vertical and horizontal direction



Control Mode Management

6 work modes for choice



Battery Program Updated

Embedded single string control technology.
More stable and longer lifespan.



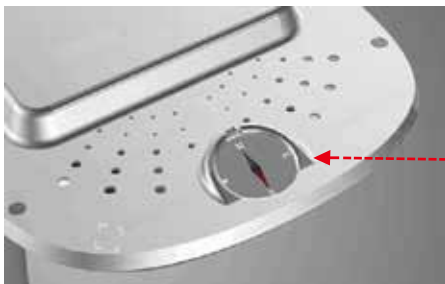
Charge and Discharge Management

Protect battery by software and hardware,
supporting battery charge at 0v



Precise Installation

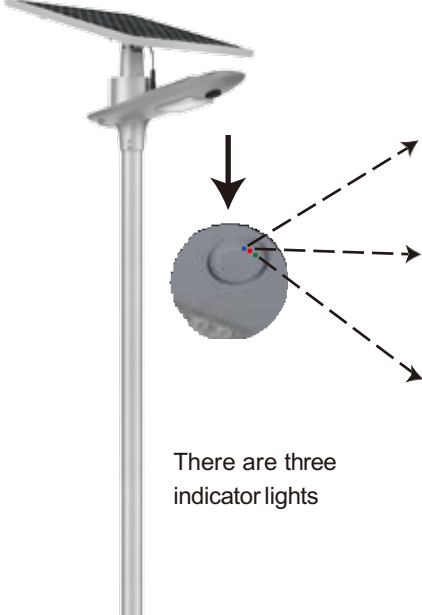
Embed compass in the light body







03

Remote Control

Indicator light status instructions



There are three indicator lights







LED light	Indications	Status	Functions
 	Charging indication	Long-term On	Be charging
		Long-term Off	Battery full charged
		Fast twinkling	Battery full charged
	Battery indication	Long-term On	Battery works normally
		Long-term Off	Battery is not connected/No power
		Fast twinkling	Battery is over discharged
	Load indication	Long-term On	Load is on
		Long-term Off	Load is off

Note: System faults include:

1. Over discharging of battery.
2. System overvoltage.
3. LED load in short circuit.
4. LED load in open circuit.

6 working modes



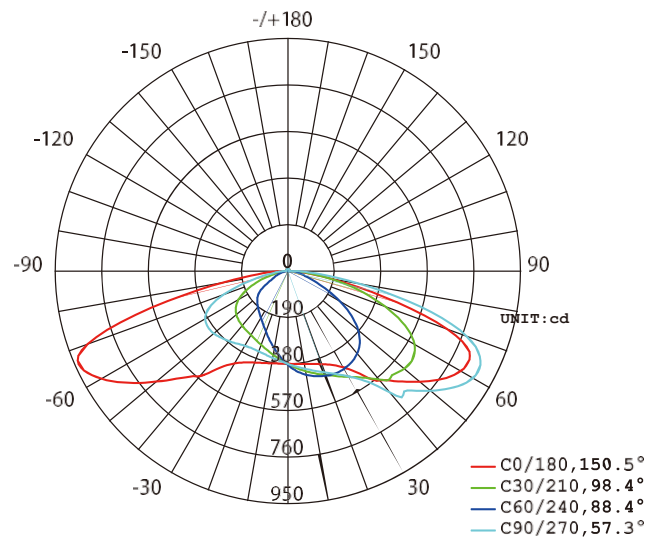
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DEMO: No matter day or night, light "on" for 1 mintue. Only for test use.
- 
OFF: Light "off", no matter day or night.
- 
L: At night, 100%-2hr, 70%-2hrs, 30%-dawn.
- 
T: At night, 100%-1hr, 70%-2hrs, 40%-3hrs.
- 
M: At night, 50%-1hr, 100%-3hrs, 30%-dawn.
- 
U: At night, 60%-1hr, 50%-3hrs, 30%-dawn.

- Note:**
1. Default is L mode, can choose best mode according to different sunshine condition.
 2. The three LED indicator lights will twinkle if modes changing successfully.
 3. Once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

04

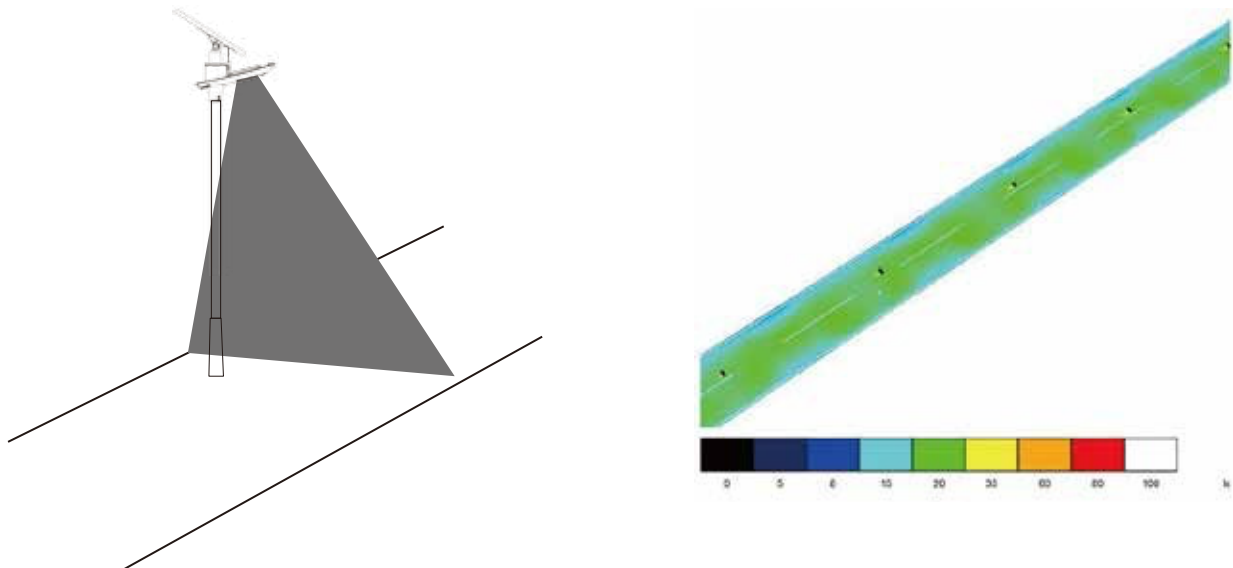
Light Distribution

■ Luminous intensity distribution curves



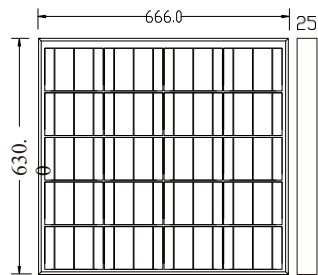
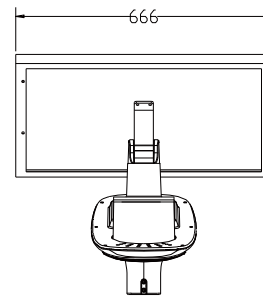
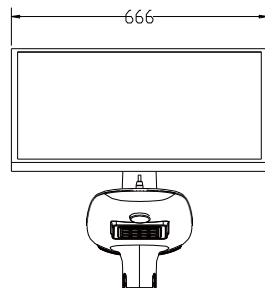
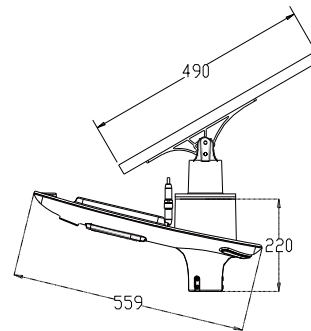
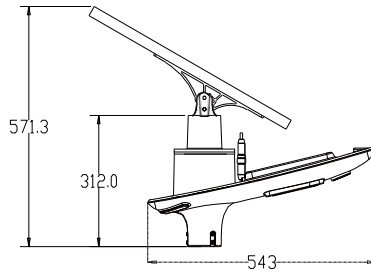
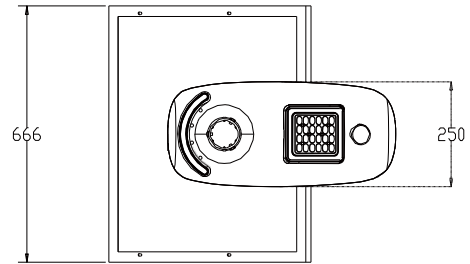
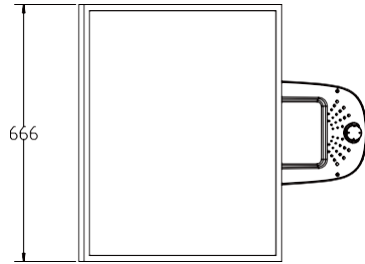
Beam Angle: X-axis: 158°Y-axis: 62°

■ Bat wing lens with polarized light

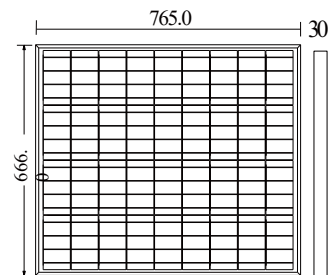


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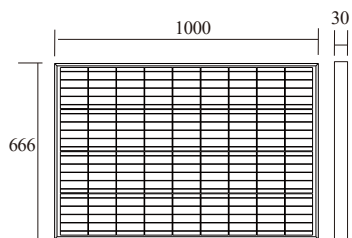
Dimension



65W



80W



100W

06

Parameter

■ Technical parameter

	Type	RS-SL65	RS-SL80	RS-SL100
Panel	Power	50W/5V	65W/5V	80W/6V
	Material	Poly crystalline silicon	Poly crystalline silicon	Poly crystalline silicon
	Solar cell efficiency	17-18%	17-18%	17-18%
Lithium battery	Capacity	170WH	190WH	260WH
	Charge cycle times	2000 times	2000 times	2000 times
Lamp head	Luminous flux	2500-2700lm	3000-3600lm	4500-5400lm
	Light output	15W	20W	30W
	LED qty	60pcs		
	LED chip	Bridgelux		
	Color temperature	3000-6000K		
	CRI	≥70Ra		
	Material of lamp head	Aluminum alloy		
	Elevation angle	12° (attention to Dialux use)		
	Lifespan	50000hrs		
System	Light control voltage	1V		
	Light distribution	Batwing lens with polarized light		
	Beam angle	X-axis: 158° Y-axis: 62°		
	Lighting time(full charged)	2-3 rainy days		
	Operation temperature	-20°C~60°C		
Installation	Top diameter of pole	60mm		
	Mounting height	4-6m		
	Installation spacing	10-20m		

07

Application



Pathway



Village road



School



Park



Villa



Parking lots



Hotel



Temple



Resort

