Road Smart

Solar Beatle Light

Indoor daytime lighting available

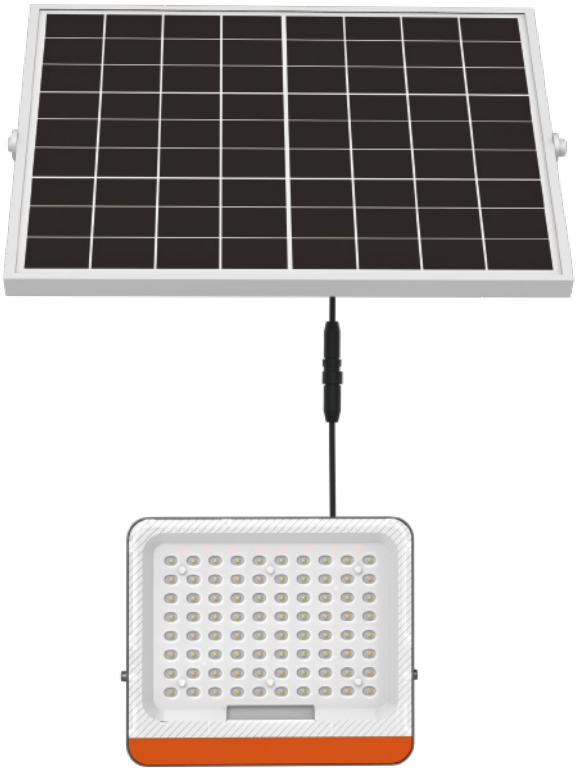
Both Indoor and Outdoor lighting

Both day and night lighting

Can charge and discharge at the same time

www.roadsmartsolar.com

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



Core Technologies

Light Distribution Management
Patent PC lens, special light distribution for rural area.

IPC 5.0 Technology
5.0 version IPC technology (intelligent power control 5.0). It will intelligently detect recent weather conditions, reasonably plan the discharge power to achieve more rainy days.

Fashionable Design
Beautiful “Beetle” design, making your house or villa to become the most beautiful garden.

Charge and Discharge Management
Protect battery by software and hardware, supporting battery charge at 0v.2000times cycle charge and discharge, 8 years lifespan.

Light Efficiency Management
Patent led chip with high efficiency, the whole system lighting efficiency has been improved to 160lm/w.

Working Mode

7 working modes

DEMO: No matter day or night, light "on" for 1 minute. Only for test use

OFF: Light "off", no matter day or night

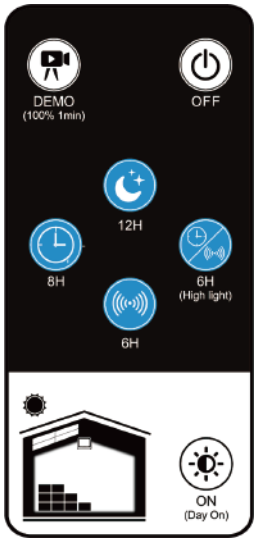
12H: At night, 100%-2hrs, 60%-3hrs, 20%-dawn

8H : At night,100%-3hr, 50%-3hrs, 30%-2hrs

6H: At night, 100%-3hrs, 50%-3hrs

6H: At night, 100%-3hrs, 50%-3hrs(Highlight mode)

ON: Whether it is day or night, the light is 100% bright（Highlight mode）



Note:

The default factory light control is (light up at night,light off at day).

1.Press the “ON” button to turn on the light via remote control, and the lamp will stay on regardless of the light.

2.Press the “OFF” button to turn off the light, and the lamp will remain off. It is not affected by the light.

3.The function of “ON” is to light up the lamp when the light was installed indoor area where need light at day time (For example ,plaza,underground parking lot,warehouse).

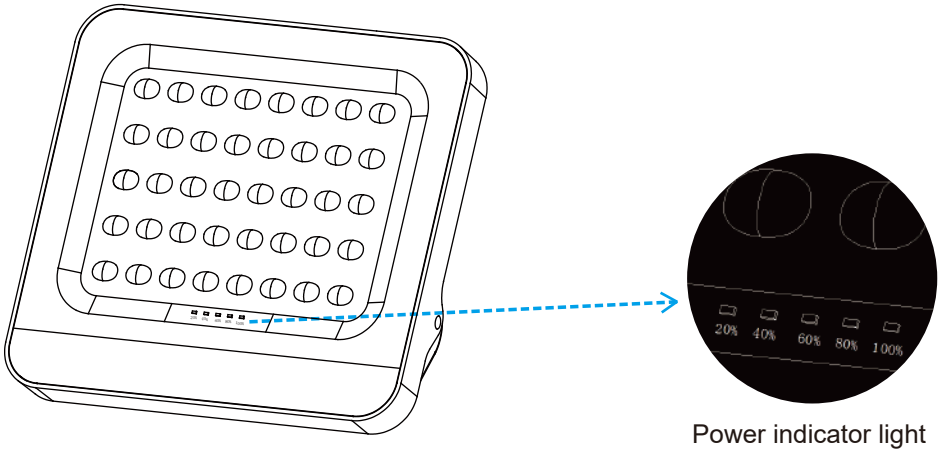
4.Press “12H” can back to default mode.Or you can choose other working mode.Press “OFF”the light will not light until you choose other working mode.

5.If the light was installed outdoor ,attention don’t press “ON”,or it will effect the light duration at night.

6.When in Highlight mode， default 100% light power will up to 130%.

Working Mode

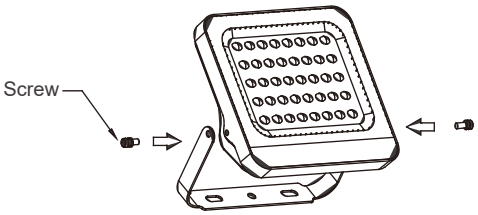
Power indicator function



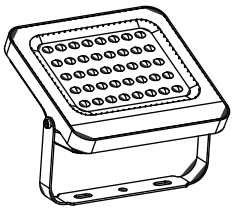
Power indicator light

Installation Guide

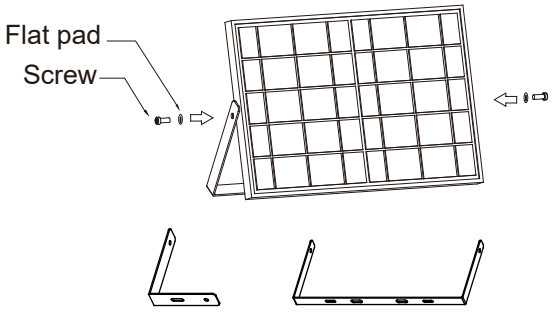
Assembling



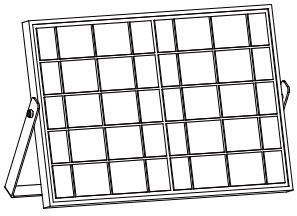
1. Fix bracket on light part through both sides holes.



2. Light part assembling finish.



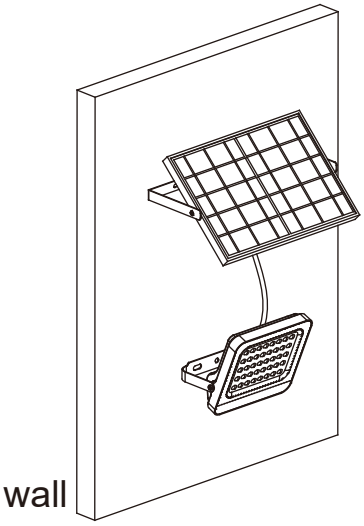
3. The bracket is agligned with the holes on both sides of solar panel, and fixed by screw and washer.

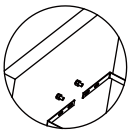


4. Solar panel assembling completed.

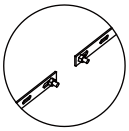
P.S : RS-BL50000 do not match panel bracket.

Installation Guide





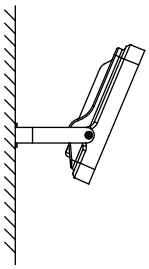
A、Drive the expansion screw into the wall.



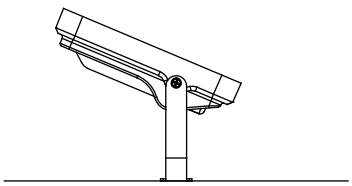
B、Nut locking bracket.

C、Pay attention to the waterproof joint anti-reverse connection.

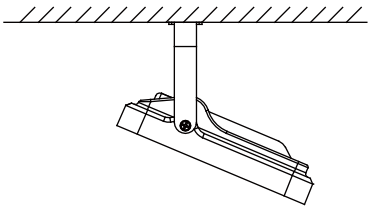
Light part installation



1、On wall

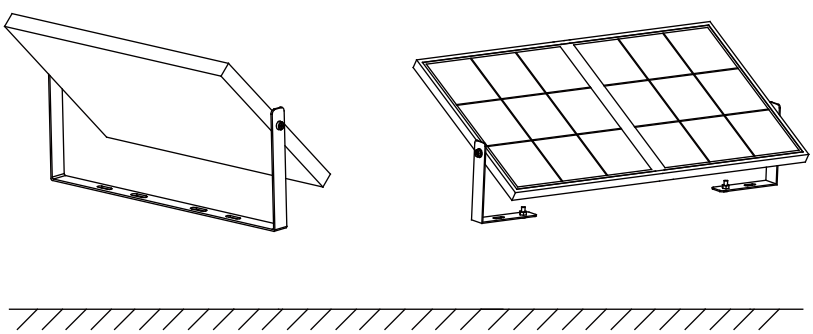


2、On ground

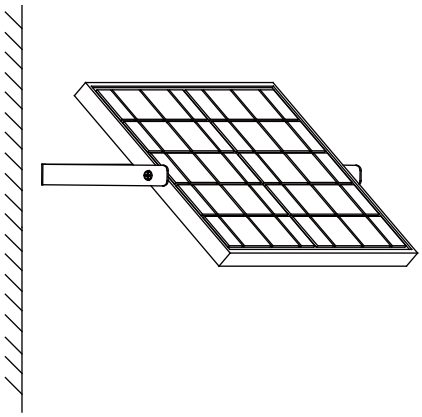


3、Ceiling mounted

Solar part installation



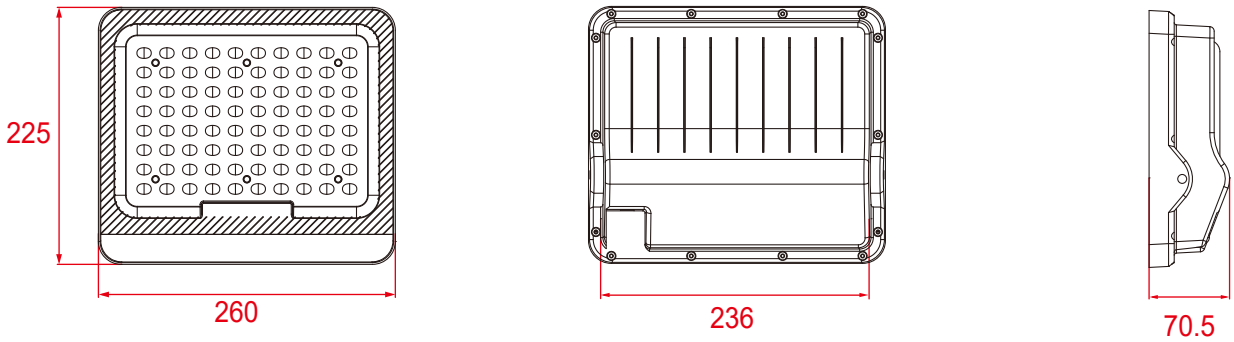
1、On ground



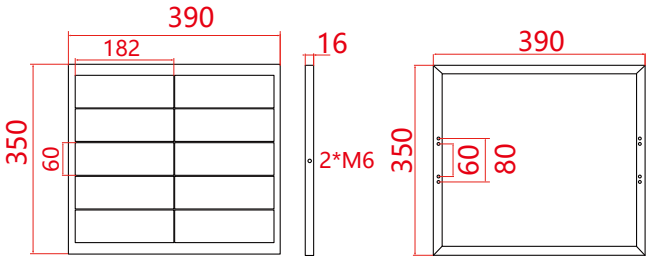
2、On wall

Dimension

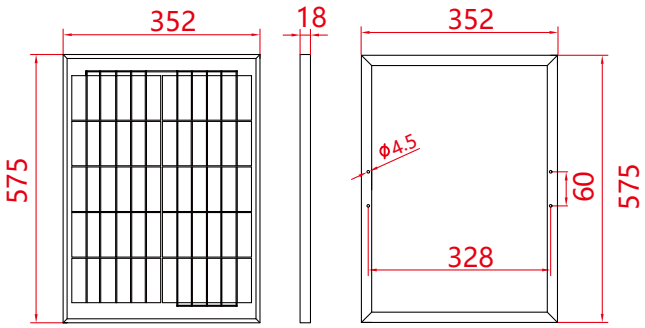
Lamp Body



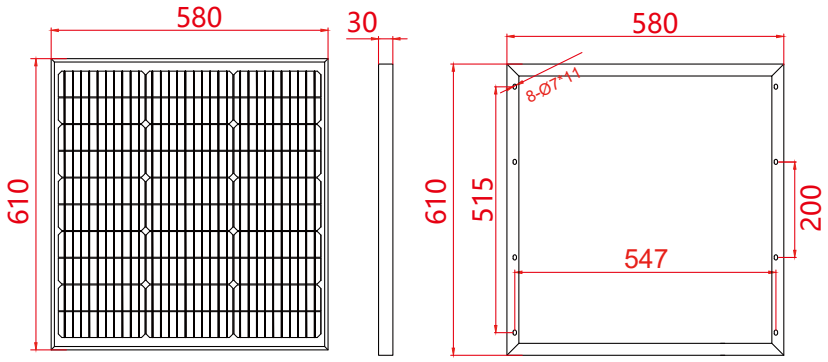
Solar panel



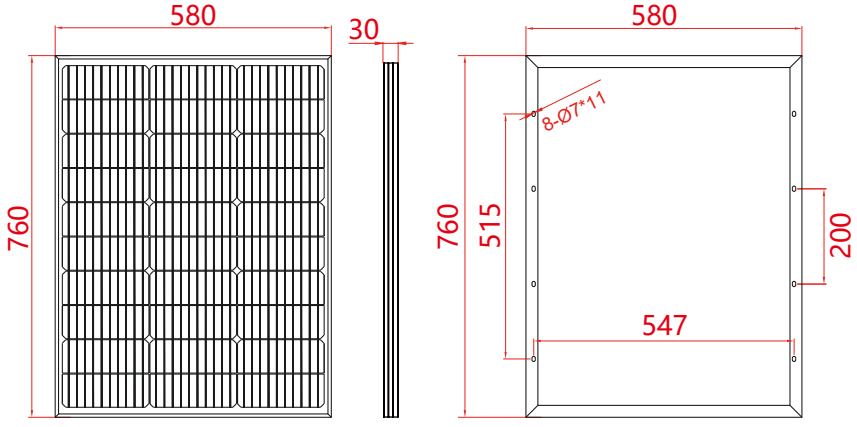
25W



30W



60W



80W

Parameter

Type	RS-BL30000	RS-BL40000	RS-BL50000	RS-BL60000
Panel				
Power	25W/5V	30W/5V	60W/5V	80W/5V
Material	polycrystalline silicon		Monocrystalline silicon	
Solar cell efficiency	19-20%			
LiFePO4 battery				
Capacity	64WH/20AH	144WH/45AH	192WH/60AH	256WH/80AH
Charge cycle times	2000 times			
Lamp head				
Luminous flux	1600-1700lm	2600-2700lm	3300-3600lm	4500-5400lm
Light output	9W	15W	20W	30W
LED qty	80pcs			
Color temperature	3000-7500K			
CRI	>70Ra			
Material of lamp head	Aluminium+PC			
Lifespan	50000hrs			
Beam angle	150*70			
System				
Lighting time(full charged)	2-3rainy days			
Operation temperature	-20℃~60℃			
Installation options	pole, lawn, wall			

Application