

Solar Beetle Light

Come from nature, Light up the future



Modern fashion design

Open the generation of solar flood light



CE RoHS FC IP65 IES

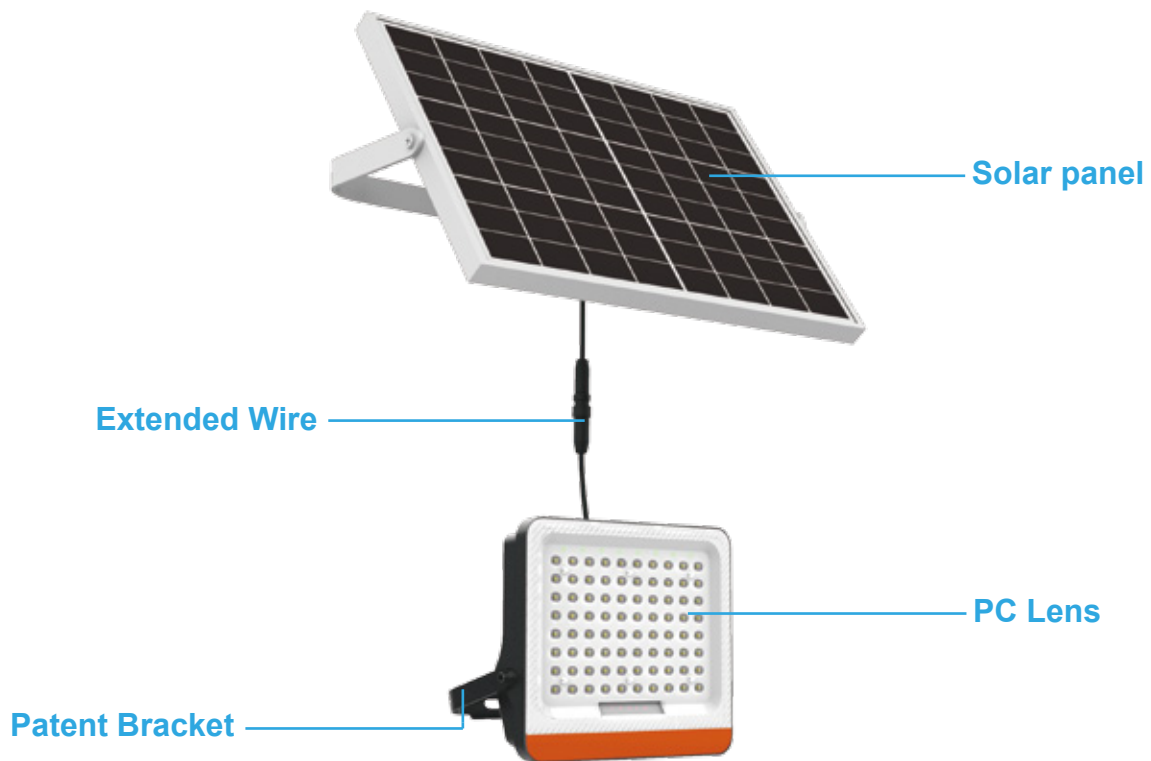
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01

Unique Structure Design

- Integrate the led, battery and controller into whole system, connect solar panel with extended wire. Easy to transport, install and maintain.



RS-BL5000



RS-BL30000/40000/50000/60000



CE RoHS FCC IP65 IES

02

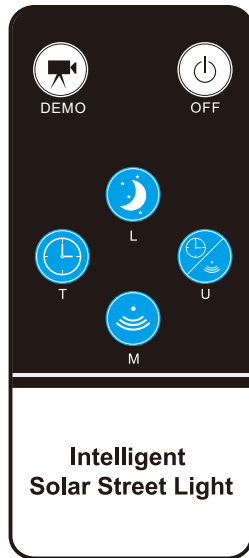
Core Technologies

- **Unique Design**
Easy to transport, install and maintain, with patent bracket to replace traditional expansion bolt.
- **Environmental Decoration**
RGB colour light source, landscaping design for environmental decoration.
- **Light Distribution Management**
Patent PC lens, special light distribution for rural area.
- **Power Control**
Judge recent climate to plan the reasonable discharge power, with charging indicator light.
- **LiFePO4 Lithium Battery**
2000times cycle charge and discharge, 8 years lifespan.
- **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.
- **Light Efficiency Management**
Patent led chip with high efficiency, the whole system lighting efficiency has been improved to 160lm/w

03

Working Mode

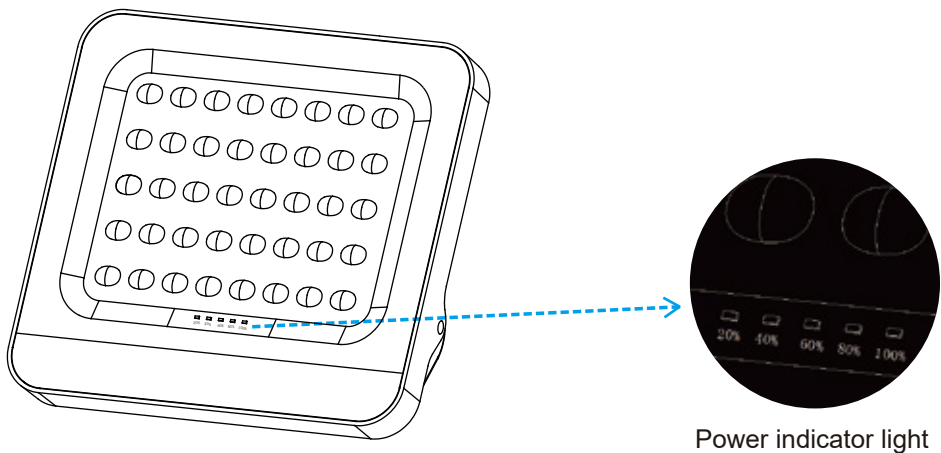
6 working modes



- 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, 2H-100%, 3H-60%, 10%-dawn.
- T:** At night, 1H-100%, 3H-40%, 10%-dawn.
- M:** At night, 2H-100%, 3H-60%, 3H-20%.
- U:** At night, 2H-100%, 3H-60%, 1H-20%.

Note: 1. Default is L mode, can choose best mode according to different sunshine condition.
2. Once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

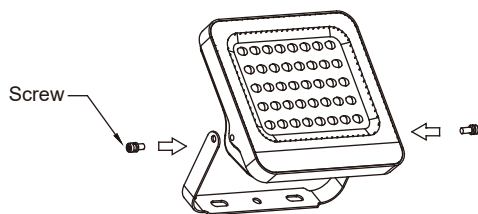
Power indicator function



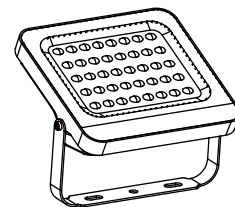
04

Installation Guide

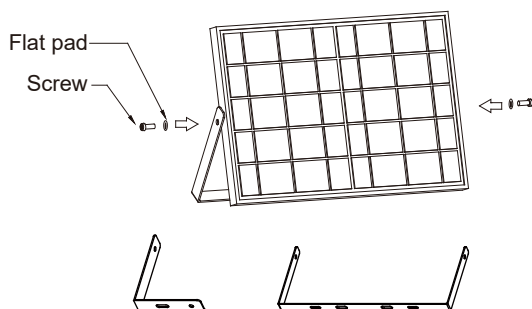
■ Assembling



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

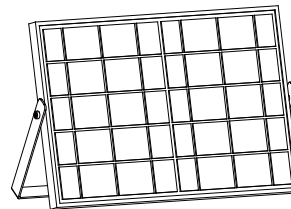


2. Light part assembling finish.



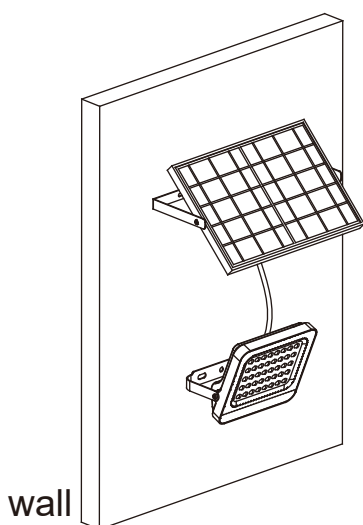
Bracket type

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

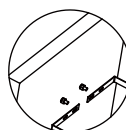


4. Solar panel assembling completed.

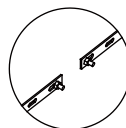
P.S.: RS-BL50000/60000 do not match panel bracket.



wall



A. Drive the expansion screw into the wall.

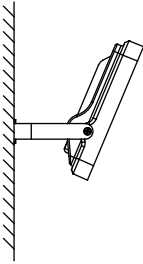


B. Nut locking bracket.

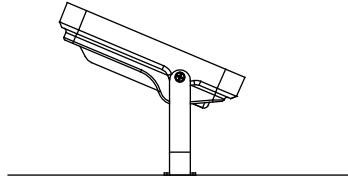


C. Pay attention to the waterproof joint anti-reverse connection.

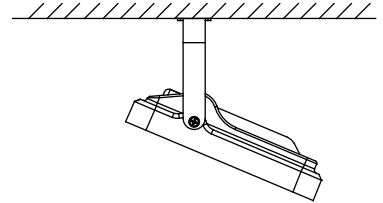
Light part installation



1、 On wall

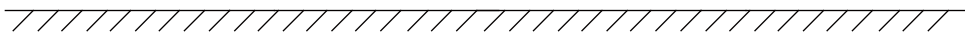
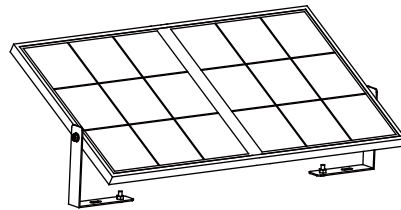
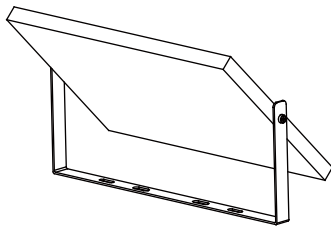


2、 On ground

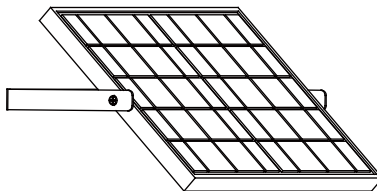
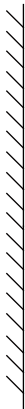


3、 Ceiling mounted

Solar part installation



1、 On ground



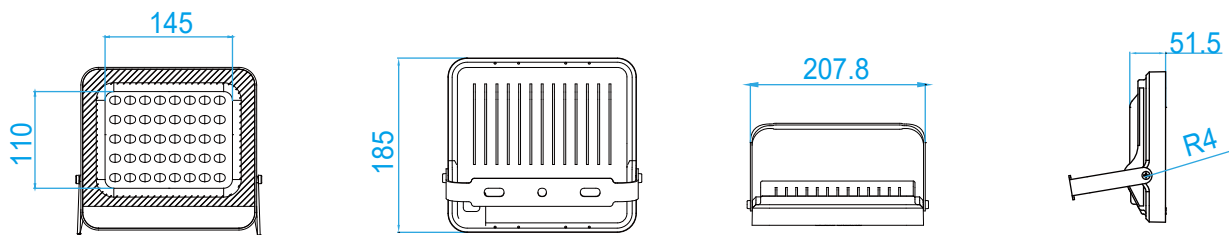
2、 On wall

05

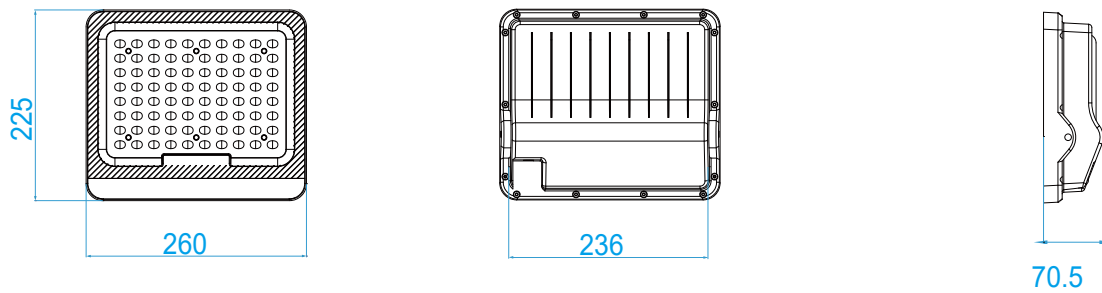
Dimension

Lamp Body

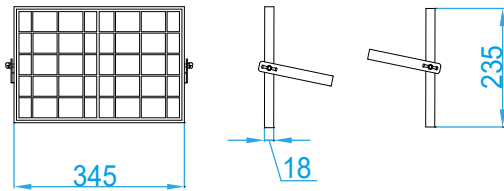
RS-BL5000



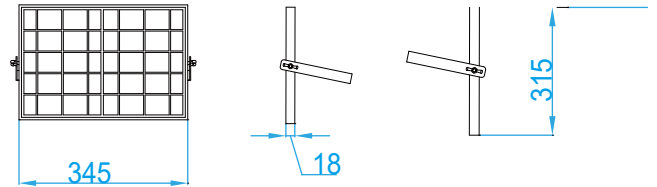
RS-BL30000/40000/50000/60000



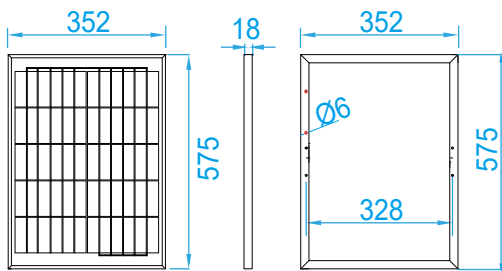
■ Solar panel



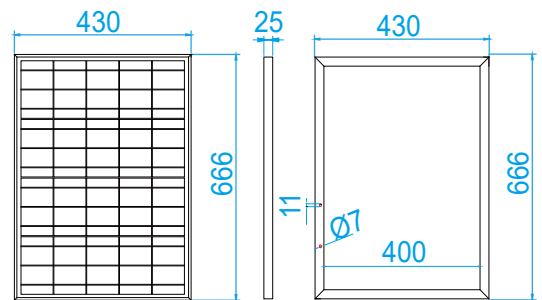
10W



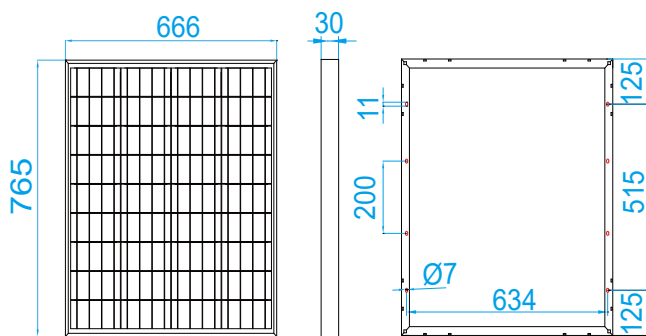
15W



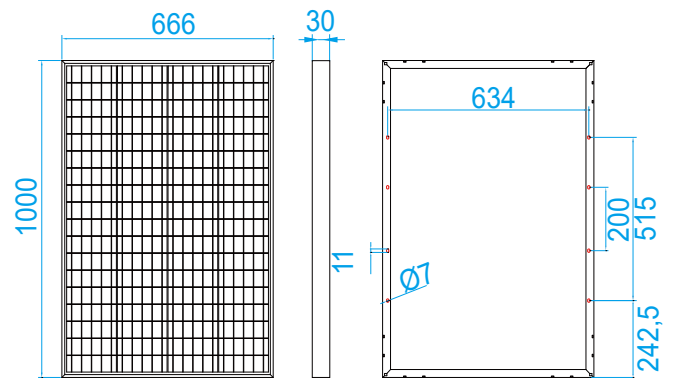
30W



40W



80W



100W

06

Parameter

■ Technical parameter

	Type	RS-BL5000	RS-BL30000	RS-BL40000	RS-BL50000	RS-BL60000
Panel	Power	15W/5V	30W/5V	40W/5V	80W/6V	100W/6V
	Material	Poly crystalline silicon				
	Solar cell efficiency	19-20%				
LiFePO4 battery	Capacity	35WH/3.2V	76WH/3.2V	128WH/3.2V	192WH/3.2V	256WH/3.2V
	Charge cycle times	2000 times				
Lamp head	Luminous flux	900-1000lm	1600-1700lm	2600-2700lm	3300-3600lm	4800-5200lm
	Light output	5W	9W	15W	20W	30W
	LED qty	40pcs	80pcs			
	LED chip	3030				
	Color temperature	3000-7500K				
	CRI	>70Ra				
	Material of lamp head	Aluminium+PC				
	Lifespan	50000hrs				
System	Lighting time(full charged)	2-3rainy days				
	Operation temperature	-20℃~60℃				
	Installation options	pole, lawn, wall				

07

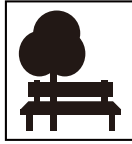
Application



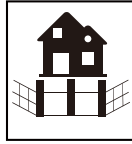
House



School



Park



Villa



Hotel



Temple



Resort

