



**INSTRUCTION MANUAL**  
**STARBURST SERIES**

**SOLAR FLOODLIGHT**  
**SFQ-150C**  
**SFQ-300C**



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### 1. IMPORTANT NOTES

- Safety First: Ensure that installation tools are kept out of reach of children.
- Stable Placement: Install the floodlights on a flat and stable surface. Securely fix both the photovoltaic panel and the lamp body to prevent any potential harm caused by wind or other factors.
- Optimal Angle for Solar Panel: Select an appropriate angle for the photovoltaic panel to maximize its exposure to sunlight and ensure the longest possible lighting time.
- Battery Disposal: The floodlights contain batteries that are recyclable. Please do not dispose of them with regular waste.
- Fire Hazard: Due to the presence of batteries, it is strictly prohibited to place the product near or expose it to fire, as it may result in an explosion.
- Avoid AC Connection: Do not connect the floodlights to 110/220V alternating current. Doing so can cause damage to the lamp body.
- Periodic Cleaning: To maintain optimal performance, clean the surface of the solar photovoltaic panel every 3-4 months to remove dust or debris.
- Weather Considerations: During autumn, winter, or prolonged cloudy or rainy periods, the charging efficiency may decrease, resulting in shortened lighting time. This is a normal occurrence.
- Avoid Interference: Prevent installation of the lamps near air conditioners, heating objects, or high-voltage power grid systems, as this can interfere with their operation.

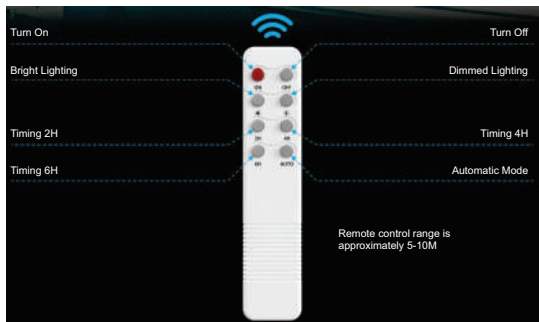
### 2. INSTRUCTIONS FOR USE

1. Begin by removing the lamp body from the packaging. Connect the photovoltaic panel to the lamp and allow it to charge and activate.
2. Once the lamp is activated, it will enter the default mode, which is "AUTO." Users have the option to adjust the desired working mode using the provided remote control.
3. Follow the designated installation procedure to properly install the lamp.
4. Note that insufficient charging time may impact the lighting time and brightness of the lamp during evening hours. However, when the lamp receives adequate charging time during the next cycle, it will resume normal operation. Additionally, during autumn, winter, or continuous cloudy or rainy days, the charging efficiency may be reduced, resulting in shorter lighting duration. This is considered a normal occurrence.

### 3. PRODUCT PARAMETERS

	Model/Parameter	
Name	SQF-150C	SFQ-300C
LED Lumen	2100lm	4200Lm
Battery	15Ah	30Ah
Battery Type	LiFePO4	LiFePO4
IP rating	IP65	IP65
Solar Power	15W, 5V	30W, 5V
Battery Cycle life	>1200 times	>1200 times
Installation Height	3-6M	3-6M
Working Time	>12H(full charge AUTO mode)	
Temperature and humidity	Temperature: charge above 5°C, discharge above -10 °C. Working humidity: 95% RH	

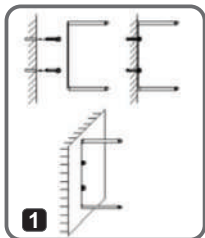
#### 4. REMOTE CONTROL



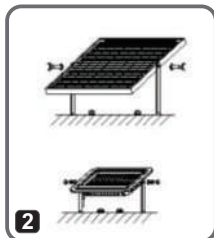
Key	Function	Application	Application conditions	Detailed description
【ON】	On	Single	Day and night	Light On
【OFF】	Off	Single	Day and night	Light off
	Permanent power off	Every day (with memory)	Day and night	Press OFF key for 3 seconds, the lamp will be OFF and still can be charged, but cannot be turned ON unless the "ON" key is pressed.
	Bright lighting	Single (When light is on)	Day and night	100% brightness and brightness will not decrease. The lamp light will turn off when voltage is low.
	Dimmed lighting	Single (When light is on)	Day and night	20% brightness and brightness will not decrease. The lamp light will turn off after 14 hours.
【2H】	Time control 2 hours	Every day (with memory)	Night	100% brightness, the lamp light will turn off after 2 hours.
【4H】	Time control 4 hours	Every day (with memory)	Night	0-4 minutes: 84% brightness, and then are the same as the first 4 hours of the [AUTO] program and light off after 4 hours.
【6H】	Time control 6 hours	Every day (with memory)	Night	0-4 minutes: 68% brightness, and then are the same as the first 6 hours of the [AUTO] program and light off after 6 hours.
【AUTO】	Time control 12 hours	Every day (with memory)	Night	The first stage, 60% brightness, light on 5 minutes. The second stage, decrease to 45% brightness, light on 0.5 hour. The third stage, decrease to 8% brightness, light on 5.5 hours.

**Note:** After the remote control turns off the lamp for more than 48 hours, the lamp body enters the sleep mode, the standby current is 5uA. The lamp must be connected to the solar panel for it to work.

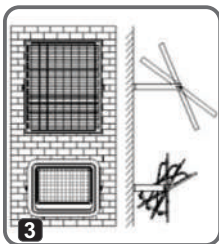
## 5. INSTALLATION



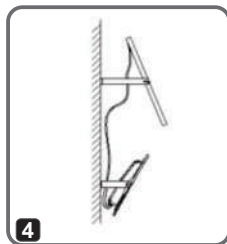
1. Use a pneumatic drill to create a hole at the designated installation position, aligning it with the brackets for both the solar photovoltaic panel and the lamp body. Insert the expansion screw into the hole and secure it by tightening the expansion set nut. This will fix the brackets in place.



2. Attach the photovoltaic panel using wing nuts and screws. Similarly, secure the lamp body using external hexagonal screws and nuts.



3. Adjust the angle of the photovoltaic panel. It should face south and west at an inclination of 5-10 degrees from the horizontal plane (30 degrees in the south, 45 degrees in the north). Once the desired angle is selected, tighten the panel in position. Take care to choose a direction for the lamp body that requires illumination, while avoiding direct exposure of the photovoltaic panels to the light source.



4. Connect the male and female plugs, ensuring a secure connection. Tighten the waterproof cap and perform a thorough check. Confirm that the installation is firm and test the lamp using the remote control. If everything functions properly, the installation process is complete.