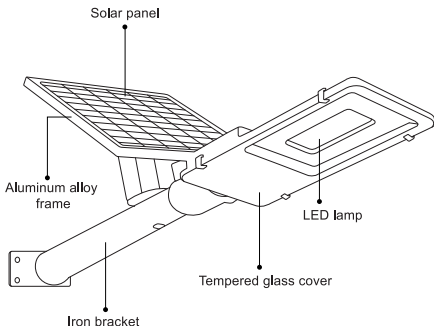


Energy-Free Solar Street LED Light System(FF5)

PRODUCT DESCRIPTION

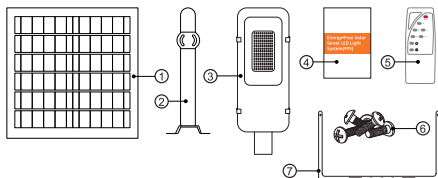
The company's solar street lights use high-quality LED, which have high brightness, power saving, energy saving, and environmental protection. The light body is made of high-strength aviation aluminum alloy and high-quality plexiglass. It is manufactured through a special process and is resistant to fall and wear. , Waterproof, low temperature resistance, strong practicability and other good performance. The power consumption is only one-tenth of that of ordinary lights. Suitable for household and commercial lighting, such as: courtyard lighting, park lighting, square lighting, road lighting, etc.

PRODUCT STRUCTURE



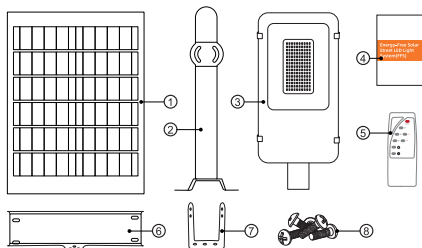
PACKING LIST (When this list is different due to different installation carriers, please refer to the actual receipt.)

Small models:



- | | | | |
|-----------------|-----------|-------------------|------------------------|
| ① Solar panels | ③ Lamps | ⑤ Remote controls | ⑦ Solar panel brackets |
| ② Lamp brackets | ④ Manuals | ⑥ Screw packs | |

Large models:



- | | | | |
|-----------------|-----------|------------------------|---------------------|
| ① Solar panels | ③ Lamps | ⑤ Remote controls | ⑦ U-shaped brackets |
| ② Lamp brackets | ④ Manuals | ⑥ Solar panel brackets | ⑧ Screw packs |

INSTALLATION INSTRUCTIONS

Instructions for precautions before installation:

- ① Read this manual before use;
- ② In order to ensure the service life of the product, please do not use it in a place with strong acid mist;
- ③ Please do not install in an flammable, explosive or corrosive environment;
- ④ Before installation, ensure that the installation location can bear 10 times the weight of the product, and install it in a place with no vibration, swing and no fire hazard;
- ⑤ Connect the lamp to the solar panel, the solar panel is facing the strong light, the lamp is not on, unplug the connection line, the lamp is on, indicating that the lamp is normal;
- ⑥ Use the remote control to face the front of the lamp, follow the instructions of the remote control to verify whether the lamp and the remote control are normal, and then follow the installation instructions to install after all operations are confirmed;

The installed solar panel cannot be blocked by buildings or trees, and it is also necessary to avoid lighting at night, let alone install the solar panel indoors.

INSTALLATION REQUIREMENTS (Large Models)

Note: The installation of the small model is relatively simple. Remove the U-shaped bracket of the large model and directly fix it on the lamp bracket with the solar panel bracket.

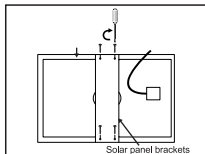


Figure 1: Put the solar panel bracket on the back of the photovoltaic panel, align the holes, and then tighten it with a screwdriver with a 4-head Phillips screw and a flange nut.

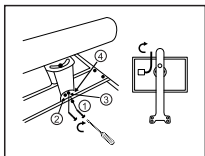


Figure 2: Match the No. 5 hole of the U-shaped bracket to the No. 1 hole of the lamp bracket, and the No. 6 hole to the No. 2 hole of the lamp bracket. Then tighten it with 2 external hex screws.

Note: The No. 1 hole of the U-shaped bracket is a positioning hole, and the No. 2/3/4 holes are holes for adjusting the angle of the solar panel.

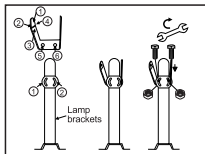


Figure 3: Connect the assembled solar panel support in Figure 1 and Figure 2 to the U-shaped bracket. First use 2 Phillips screws to fix the No. 1 holes on both sides of the solar panel bracket to the No. 1 holes on both sides of the U-shaped bracket, then adjust the angle of the solar panel, and then use 2 Phillips screws to lock the solar panel bracket and the U-shaped bracket respectively. One of the 2/3/4 angle holes.

Note: The No. 1 hole of the solar panel bracket is a positioning hole, and the No. 2/3/4 holes are holes for adjusting the angle of the solar panel.

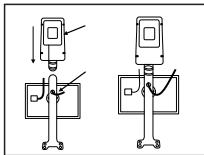


Figure 4: The street lamp head electric display is inserted into the lamp holder tube and then the small hole is passed out, and then the lamp holder is inserted into the lamp holder tube, and then the lamp holder is locked with 2 screws.

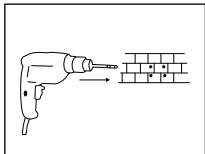


Figure 5: Use an **electric drill** to **drill 4 explosive screw holes** on the **wall** according to the **hole positions** on the **fixture bracket**.

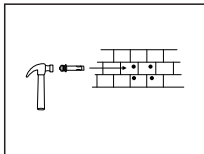


Figure 6: Use a **hammer** to **drive the explosive screw** into the **wall hole**. (This step shares 4 explosive screws)

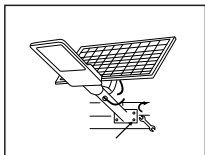


Figure 7: Hang the **assembled lamp body** against the **explosion screw**, and then **tighten it with a wrench**.

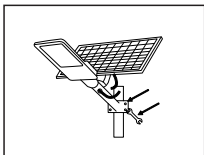


Figure 8: If it is **installed on a pole**, it can be **locked on the pole** with the **holding piece** in the **accessory kit** and **4 external hexagonal screws**. (This step shares 4 external hexagonal screws)

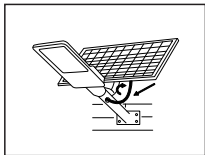
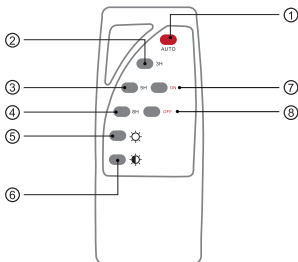


Figure 9: Connect the **male and female** of the **lamp holder** and the **solar panel** to the **wiring**, **plug them in** and **tighten the waterproof nut**, and the **installation is complete**

Remarks: Picture 7 and Picture 8 are two different carriers. When you receive **wall fittings**, you can skip Figure 8.

HOW TO USE THE REMOTE CONTROL



- | | |
|---|---|
| ① Turn on automatic light | ⑤ Adjust the brightness of the light |
| ② The light will turn off automatically after 3 hours | ⑥ Turn down the brightness of the light |
| ③ Turn off automatically when the light is on for 5 hours | ⑦ Turn on |
| ④ Turn off automatically when the light is on for 8 hours | ⑧ Turn off |

PRECAUTIONS FOR USE

- ① Please regularly check whether the thread of the lamp is detached, disconnected, and whether the bracket is loose, so as not to fall and hurt people when it is windy;
- ② Regularly clean the dust and debris on the surface of the solar panel every three months, so as not to affect the use effect;
- ③ The environment temperature of the lamp is -20°C - 60°C , use outside this temperature range may cause damage or abnormality of the lamp;
- ④ This lamp is powered by low voltage, please do not directly connect to AC power to avoid damage;
- ⑤ Do not soak the lamp in water;
- ⑥ The light source of this luminaire is irreplaceable. When the light source reaches the end of its life, the entire luminaire should be replaced.

WARNING



Because the light of the lamp is too strong, please do not irradiate human eyes. The bright and dazzling will cause blurred vision for a short time, especially for children.



This product is recyclable.



Product packaging is made of renewable materials and will not affect the environment.



Prohibit burning, keep away from fire.



Only suitable for installation on the surface of non-combustible materials.

PARAMETERS DATA

NO.	Model	Power(Watt)	Brightness(Lumens)	Size(mm)
1.	FF5-A	63W	500LM	333*98*60mm
2.	FF5-B	145W	800LM	382*129*60mm
3.	FF5-C	263W	1200LM	494*215*55mm
4.	FF5-D	486W	1400LM	494*215*55mm
5.	FF5-E	897W	2000LM	494*215*55mm

Note: All product parameters provided in this manual are our lab data, for reference only, and there is no actual way to use it.

TIPS

The Chinese standard testing standards for solar panels are:

AM1.5, 1000W/m²/25°C

Among them, 1000W/m² refers to the radiation intensity of solar energy, and the solar panel charging is the max when this value is reached.

In autumn, winter and cloudy and rainy days, the illuminance is relatively weak, and the charging effect will be significantly weakened, so the lighting time will be shortened, which is the same as solar water heaters. Solar panels, like other electrical appliances, have their own losses during use. The attenuation is about 3% in the first year, and gradually attenuates by 1% after the next year.

Warnings and safety information

All information on the operation of the device is contained in the instruction manual. Before using it, read its contents and follow the instructions contained therein. Also read the following information before use:

Warnings for use

1. Child safety:

- The lamps are not intended to be played with by children. Keep them out of their reach to avoid the risk of burns (in the case of lamps with heat-generating bulbs) or electric shock.
- Children should use the lamps only under adult supervision.

2. Electrical safety:

- Plugpowered lamps** only into outlets that meet the manufacturer's specifications. Do not use devices with a damaged cord, plug or housing.
- Do not use lamps near water unless they are labeled waterproof and have an appropriate protection class (e.g., IP65 or higher).

3. Safe use of solar lamps:

- Make sure solar lamps are placed in areas with access to sunlight to properly charge the battery.
- Do not cover the solar panels and clean them regularly to ensure maximum charging efficiency.

4. Risk of fire and burns:

- Camping lamps powered by gas or batteries can generate heat. Do not cover lamps during operation or place them near flammable materials.
- Avoid touching hot parts of lamps immediately after use.

5. Protection from moisture and weather:

- Outdoor and camping lamps should be rated to withstand exposure to moisture and rain.
- Do not use lamps in extreme weather conditions (e.g., during a thunderstorm) unless recommended by the manufacturer.

6. Protection of batteries and rechargeable batteries:

- Use only batteries and rechargeable batteries that comply with the manufacturer's recommendations. Do not mix new and old batteries or different types of cells.
- Do not expose batteries to high temperatures. If the batteries are damaged, stop using the device immediately.

Information on proper use

1. Preparing the device for operation:

- Before using it for the first time, read the instruction manual and make sure all components are properly installed.
- If you are using a gas-powered lamp, check the tightness of the connections and use it only outdoors in well-ventilated areas.

2. Charging and maintenance of solar lamps:

- Place solar lamps in areas that receive as much sunlight as possible during the day. Avoid shaded areas.
- Regularly clean the solar panels of dust and dirt so as not to reduce their charging efficiency.

3. Setting up and using outdoor lamps:

- Make sure lamps are securely fastened or placed on a flat surface to avoid tipping

them over.

- Mount lamps with a wall- or ceiling-mounting function according to the instructions, using the appropriate screws and brackets.

4. Maintenance and cleaning:

- Disconnect the lamps from the power source before cleaning. Use a soft, damp cloth for cleaning.

- Avoid using aggressive detergents that may damage the surface of the lamp or solar panel.

5. Storage:

- Store the lamps in a dry and cool place when not in use for a long time.

- For lamps with rechargeable batteries, charge them before storing to avoid deep discharge.

Additional precautions

●Environmental protection:

- Dispose of used batteries, rechargeable batteries and lamps according to local electronic waste regulations. Do not dispose of them in regular trash containers.

- Choose lamps with energy-saving light sources, such as LEDs, to reduce energy consumption.

●Energy efficiency:

- Choose lamps with adjustable brightness or energy-saving modes to extend battery and battery life.

- Avoid leaving lamps on unnecessarily to maximize energy efficiency.

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