

SOLAR WATER FOUNTAIN

User Manual



- If you have any problem, please feel free to contact us by phone or email, we will solve your problem within 24H.
- We provide 1 Year Warranty - Money Back Guarantee or Replacement if our product doesn't work



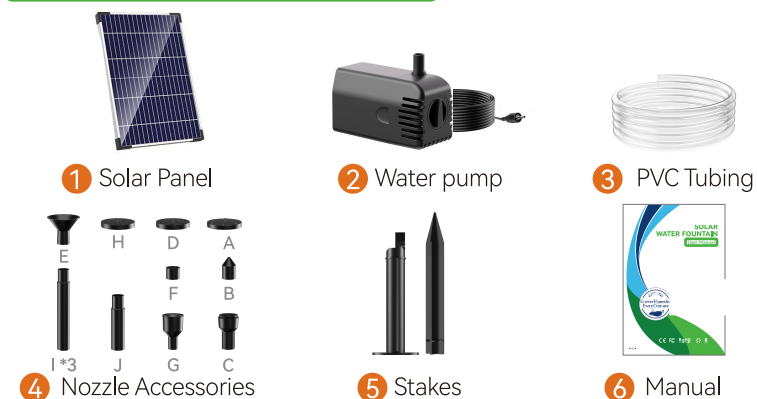
RoHS
MADE IN CHINA



Components (Type 1)



Components (Type 2)



Please Note: The 35W/45W/50W solar panels have built-in stands, no ground stakes.

Installation Steps



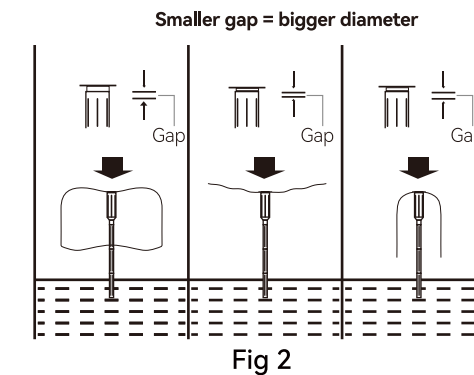
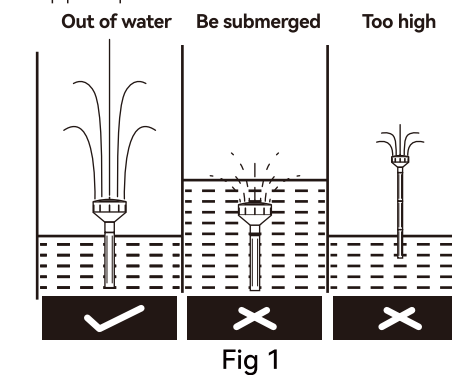
Two Ways Installation
Insert on the ground Screwed on the wall

- 1) Unpack all components carefully.
- 2) For the application of producing a waterfall feature, connect the pump outlet to the water inlet of a small garden water decorations with a hose.

Connect tubing to create water features



- 3) For the application of creating a small spraying up fountain, please follow the steps below:
 - a) Put together a proper number of extension tubes as per the water depth and top it with your preferable fountain nozzle. Mount the assembled tubes topped with a nozzle on the pump outlet.
 - b) Fix the pump at the base of a basin or bottom of a small shallow pond etc.
 - c) It is best to keep the pump off the pond base to avoid drawing the pond waste into the pump, which will lead to blockage in the pump. Use a brick or similar to elevate the pump.
 - d) In the case of volcano fountain head, to maximize the fountain spout height, make sure a proper number of the enclosed extension tubes are used to lift the fountain head just above the water surface as shown in Fig 1. A fountain head setting far above the water will shorten the visible part of fountain spout. **If the water depth exceed the nozzle, use a brick or similar to elevate the pump make the nozzle exposed.**
 - e) In the case of apple shaped fountain head, the fountain nozzle should be lifted to a position above the water surface far enough to allow an ideal apple shaped fountain. To have your preferable apple size, adjust the water discharge gap by pressing or lifting the nozzle top piece as shown in Fig 2. The larger the discharge gap, the smaller the apple sphere.



- Electrically connect the pump to the solar panel, and tighten the protection screw.
- Install the solar panel in garden lawn or soft ground by jabbing the spike into the earth. Adjust the orientation of the panel to face the panel towards the sun and.
- Make sure to keep the pump fully submerged in water while the pump is in operation.
- The solar pump is now ready to operate.

Please refer to Fig 1 or Fig 2 according to the set you purchased

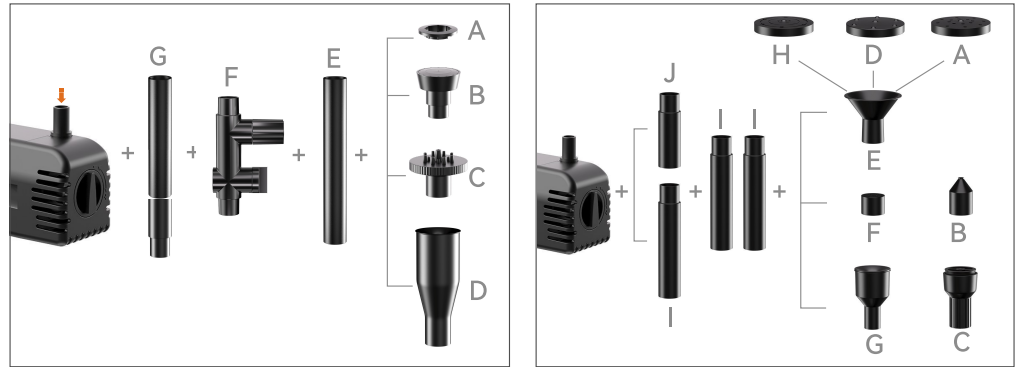


Fig 1 Adapted water depth: 16 inch

Fig 2 Adapted water depth: 10 inch

Cautions

- This product is directly solar powered, which can only spray water continuously when sunlight is strong enough. In cloudy day or the sun is weak, it will intermittently spray water or stop working.
- Please make sure to place the solar panel in direct sunlight without any shadow. It works best when facing the sun;
- The pump needs to be fully immersed in water, and the nozzle top should be above the water to spray out water;
- The pump needs to be cleaned regularly to avoid clogging with dust and stopping work. The pump is detachable for cleaning (suggest once a week);

Cleaning and Maintenance(Weekly Recommended)



- Clean the solar panel to prevent dust covering the panel from affecting the solar conversion efficiency.
- Clean the pump
 - Disconnect the pump from the power.
 - Remove the pump front cover and the filter sponge.
 - Rinse the inside of the pump and the filter sponge to remove any debris.
- Reassemble the pump and make sure the pump is fully submerged in water connect it again.
- Expose the solar panel to direct full sunlight to check if the fountain works.

Trouble Shooting

(If the pump doesn't work, please check the possible failures listed below.)

- Make sure the solar panel is exposed in direct sunlight, no shadow;
- The pump may be blocked by dirt, disassemble the front cover of the pump to clean;
- Make sure there is enough water so that the pump can fall completely underwater and the nozzle is above water;
- Try to disconnect the solar panel and re-connect to activate the pump;
- Pump does operate but there is no water running through the tubes: check if the flow control valve is on the shut-off position or clean the tube and the filter to make sure the tube is through completely;
- Check the nozzle is connected tight; Check if the cord is broken.

Diverter value for over 25W pumps



Diverter valve only for pumps with solar panel power of **25W** or more.

NOTE: The height of the hose affects the spray height of the nozzle. The higher the hose is lifted, the higher the nozzle sprays.

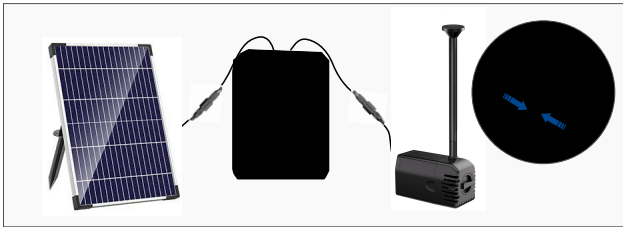
Note: It may not work well under the below situations



Solutions to the above problems



Optional battery backup for purchase



The appropriate battery backups for each power of the solar panels are as follows:

- 1800mAh-6W/6.5W/8W
- 2200mAh-10W/12W/20W
- 2600mAh-25W/30W/35W/45W/50W
- 4400mAh-50W/55W/70W
- 5200mAh-55W/70W

* The battery backup will supply energy for the pump to ensure the normal operation when there is not enough sunlight, and will be charged by the solar panel when there is enough sunlight. (Note: charging will have a certain impact on the operation of the pump)



We have an additional 10 feet extension cord to sale, so you can place the solar panel in a sunnier area. Please email us for details if you need.