

Solar Fountain Feature

Model: FOUNT-MUSHROOM-BLUE

Matched P003C Solar Panel & Pump Kit

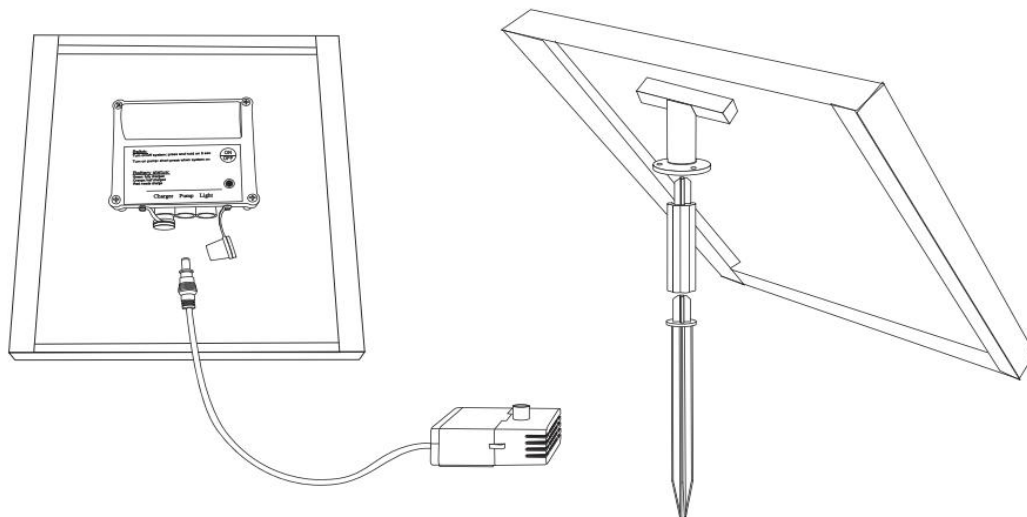
This instruction contains important information for using the product for the first time. Please keep this instruction for later reference. It should always accompany the product in the event of transfer to a new user.

Note:

1. Charge the pump unit for 1-2 days before the pump is used for the first time;
2. The LED light will work only when it's dark. If you want to test it in the daytime, turn the solar panel upside down and minimize exposure to sunlight.
3. The lights have been pre-assembled in fountain body.

1 OVERVIEW

- 1.1 The solar pump is designed for fountain, pond or outdoor use. In order to make the solar pump work, the solar panel needs to be in direct sunlight. When the sun light is strong enough, the solar pump will start to work automatically. It will stop working when the solar panel is in shadow, or the sunlight is not enough. If the fountain is used in evening, four built-in white LEDs will give light automatically to enhance the beauty scene of the water jet.
- 1.2 This solar pump is equipped with a battery pack. Extra electricity will be stored in the battery pack and to be used when there is no enough sunlight or in night times. It can be switched on and off by a touch switch on the control housing, which is on the control house which is affixed to the rear side of the solar panel, it's source to power the pump.

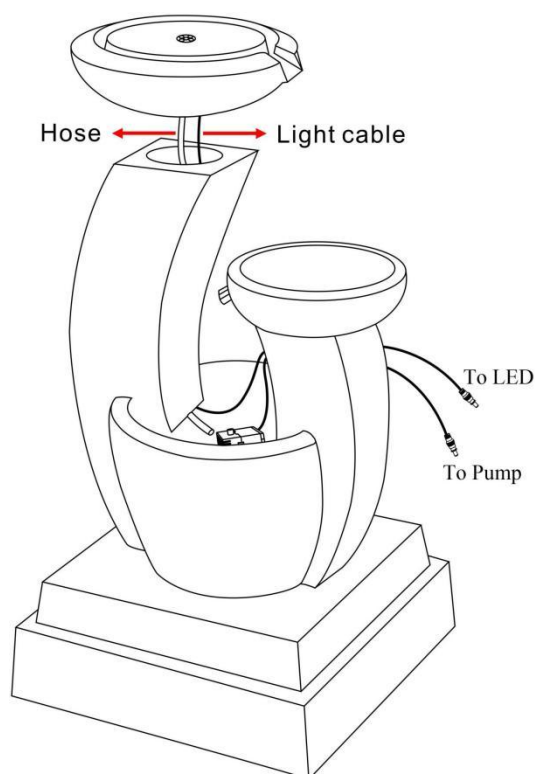


2 ASSEMBLING AND USING YOUR PRODUCT

- 2.1 Take all parts out of the packaging.
- 2.2 Fill the fountain with clean tap water.
- 2.3 Place the pump underwater and make sure that it is **fully immersed** in water.
- 2.4 Connect the pump cable to the socket of the control house on the rear side of the solar panel.
- 2.5 Connect the LED light cable to the socket of the control house.
- 2.6 Make sure direct sunlight shines on the solar module.

2.7 Short press the on/off switch on the control house to turn on the pump.

Assembly



Scan me for video setup!



3 CAUTION

- 3.1 Do not strike the solar panel.
- 3.2 Do not put the solar panel behind a glass or be covered by the shade, even just a part.
- 3.3 Do not hang the solar panel upside down, cover the jack with waterproof materials when the jack is not use.
- 3.4 Do not let the pump run dry for a long time.
- 3.5 Do not lift the pump with the power cord.
- 3.6 Operate in freshwater only.

4 OPERATING INSTRUCTION

Turn on the solar mode: first time to use, short press to turn on the pump, the pump will run certain hours (ref to battery status) in battery mode and turn to solar mode automatically. The pump will stopworking when sunset or cloudy, no need to touch it, it will operate automatically next day in direct sunlight (solar mode). In daily using, suggest to keep it in solar mode.

Turn on the battery mode: in the night time or cloudy day, if you need the pump to work, short press switch to turn on the battery mode, the pump will run certain hours (ref to battery status) until the battery runs out. The pump will turn back to solar mode automatically next day in direct sunlight.

Stop the pump: Press the button and hold it on for 3 seconds. The pump will stop.

Quick charge the battery: Normally, solar will run the pump and charge extra solar energy to the battery at the same time. But if you want to charge the battery quickly, press and hold on 3 seconds to Turn OFF the pump and charge the full solar energy to battery during day time, turn on the pump when you need it (on demand).

Battery status:

Green: Battery is full charged. The pump will run around 4-6 hours.

Orange: Battery is half charged. The pump will run around 2-4 hours.





Red: Battery needs charges. The pump will run less than 1 hour.

Note: The indicator light is blinking when pump on.

The indicator light is solid when pump off manually and charging battery.

In order to protect battery, don't manually turn on the pump frequently

Pump performance in different weather condition:

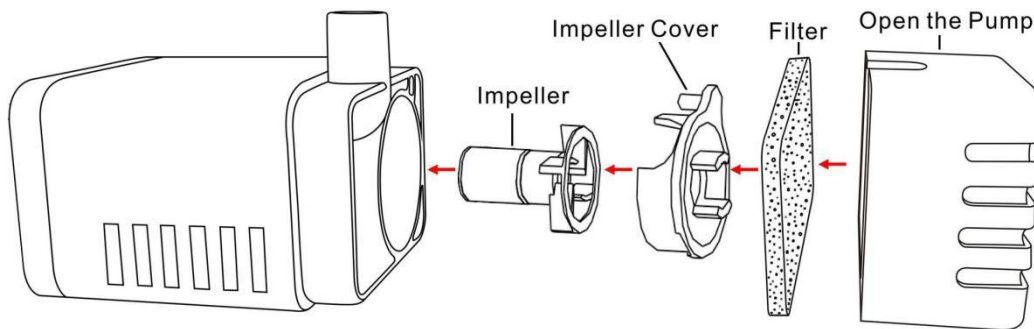
Weather	1. Pump on 2. Charge extra solar energy to battery	1. Pump off 2. Charge full solar energy to battery
	Solar runs the pump and charges the battery. Pump performance is maintained when the clouds pass. Pump runs on fully half an hour longer into the evening.	Battery should be fully charged in 1 day.
	Solar runs the pump and supplies extra energy to the battery. Performance is maintained when the clouds pass. Pump will only run a shorter period of time into the evening.	Battery will take 2 to 3 days to fully charge.
	Pump will only run when there is sufficient power from the battery. Little or no battery charging occurs so pump performance is not maintained.	Battery will take several days to fully charge.
	No solar power is available, pump will not run and battery will not charge.	Battery will not charge.

If the pump stop running when cloudy or night, and you want to force the pump running for certain hours, you could turn the pump to battery mode.

Note: LED lights will only function at night.

5 CLEANING AND MAINTENANCE

Pump: If, after a period of time, the pump starts to lose power or stops working check for the build up of sediment, scale or dirt in the filter. Remove the pump cover and the impeller cover. Clean them and the filter by fresh water.



Pump Cleaning See video below



Solar panel: The panel should be cleaned periodically with a soft tissue. Regular cleaning of the panel is advised to maintain optimum conversion of the sun's energy into direct current.

6 FUNCTIONALITY PROBLEMS

6.1 The pump does not operate even though the solar module is in full sunlight.

- No connection to the solar module – check connection to the solar module.
- Impeller is blocked – To clean the pump, remove the front plate and the impeller. Use a small brush or steam of water to remove any debris.

6.2 The pump does operate but there is no water running through the fountainhead check for the build up of sediment or scale in the tubes or the filter- clean the tubes and the filter.



7 STORAGE

- 7.1 Please charge the battery for 1-2 days in direct sunlight when the first time using the solar panel or when you store the solar pump for a winter.
- 7.2 In order to keep the battery long life, please charge the solar pump to fully charge status and plug-out the pump from the solar panel before you store the solar pump into warehouse.

8 TECHNICAL DATA

Solar Panel:	3W
Solar Pump Operation Voltage:	9V DC
Solar Pump:	1.6W
Water Flow Max.	250LPH
Water Lift Max.:	1.2M
LED Light	4 LED white light
Cable Length	5M
Lithium Battery:	7.4V/2000mAH
Pump Waterproof Rate:	IP68
Panel Waterproof Rate:	IP44