

SOLAR BIRDBATH

This instruction manual contains important information for using this product correctly. Please read this manual before operating the solar fountain. Always save this manual for future reference!

1、OVERVIEW

Thank you for purchasing our solar fountain. You have selected a product that uses the most up-to-date solar technology available.

This solar fountain has been designed for garden use. It obtains its power from a solar module directly. In order for the solar pump to operate, the product needs to be placed in **direct sunlight**.

This solar pump is equipped with a battery pack and can be switched on and off by a switch in the middle of the solar panel. In the evening, four built-in white LEDs will give light automatically to enhance the beauty of the water jet.

2、CAUTION

- ◇ Do not strike the solar pump
- ◇ Do not scratch the surface of the solar panel
- ◇ Do not let the pump run dry for a long time
- ◇ Operate in fresh water only

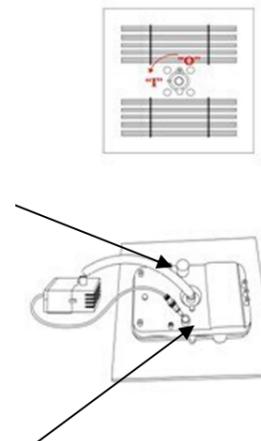
3、ASSEMBLY

- ◇ Unpack all components carefully.
- ◇ Place reservoir on top of base and twist the reservoir clockwise to fit together as shown in Diagram.
- ◇ Connect the pump cable to the socket of the rear side of solar panel, connect the tube between the vent of the DC pump and the rear middle side of the solar panel.
- ◇ Pour enough water into the fountain birdbath and make sure the pump is fully submerged in water when placing the solar pump on the birdbath.
- ◇ Connect sprinkle heads to fountain head of the middle side of the solar panel as required.

The solar fountain is now ready to use.

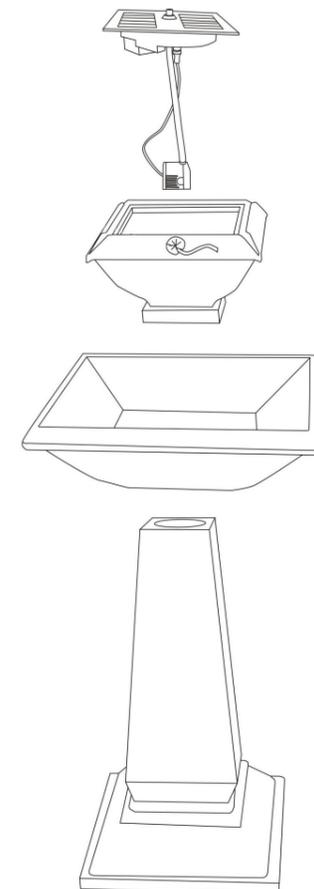
Attention 1:

Make sure the silicone cap of charger is closed tightly before using.



Attention 2:

Make sure the pump cable plug into the socket tightly before using.



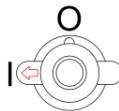
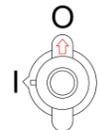
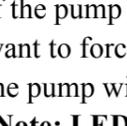
4. OPERATING INSTRUCTIONS

Usage of this solar pump:

Use this pump way 1: Rotate the switch to “I” position, the pump will run every day by solar.

Use this pump way 2: Rotate the switch to “O” position and charge the full solar energy to battery during sunlight hours, the battery system charges to allow use later “on demand”.

Pump performance in different weather conditions:

Weather	Switch to “I” position - Pump on - Charge extra solar energy to battery	Switch to “O” position 1. Pump off 2. Charge full solar energy to battery
		
	The pump runs on sunlight and charges the battery. Pump performance is maintained when the clouds pass. Pump runs 1 hour longer into the evening.	Battery should be fully charged in 1 day.
	The pump runs on sunlight 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.

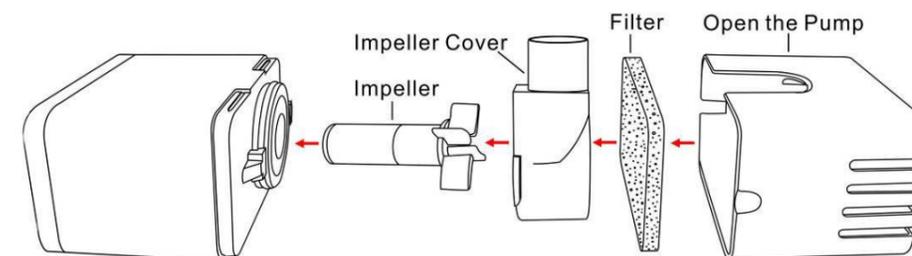
If the pump stops running when the switch is on “I” position when cloudy or night, and you want to force the pump to run for a couple of hours, turn the switch from (I) to (O) to (I), the pump will run certain hours until the battery dies.

(Note: LED lights will only function at night).

5. CLEANING AND MAINTENANCE

✧ 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.

✧ 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. Take out the impeller and remove any sediment, scale or dirt that has built up. Take out the 2pcs of filter from two sides of the pump and clean them by fresh water.



6. TROUBLE SHOOTING

(a) Pump does not operate for several days.

Check: Maybe someone else switched the pump to “O” position. Switch the pump to “I” position.

(b) Pump does not operate even though the solar panel is in full sunlight.

Check: the connection between solar panel, pump, tube and battery pack, make sure there are enough water to fully immerse the pump.

Check: Impeller is blocked – To clean the pump, remove the cover as above.

Use a small brush or stream of water to remove any debris.

(c) Pump does operate but there is no water running through the fountainhead.

Check: build up of sediment or scale in the tubes or the filter- clean the tube and the filter make sure the tube is not folding.

Check: There is not enough water in the birdbath, and air goes into the pump and the tube, shake the pump a little bit to squeeze the bubble out of the pump, add more water to your birdbath to make sure the pump is fully immersed and restart the pump.

(d) Operating time is shorter than preset hour.

When there is not enough electricity stored in the batteries, the pump will stop working. Please allow the solar panel to charge at least 8 hours to get more energy under direct sunlight and you could start the pump again.

7. STORAGE

3.1 Please charge the battery for at least a day in direct sunlight the first time using the solar pump or when you store the solar pump for winter.

3.2 In order to maintain the battery life, please charge the solar pump fully and un-plug the pump from the solar panel before you store the solar pump into warehouse.

8. TECHNICAL DATA

Solar Panel:	1.4 W
Pump Operation Voltage:	6V DC
Water Flow Max.	200LPH
Water lift Max.:	60CM
Water projection Max:	0.3M
LED Light	4 LED white light
Rechargeable Battery	3.7V 2000mAH Lithium battery

Email Us!

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