

pondXpert TripleAction Solar 1600 Instruction Manual

1. OVERVIEW

Solar Pump Kit

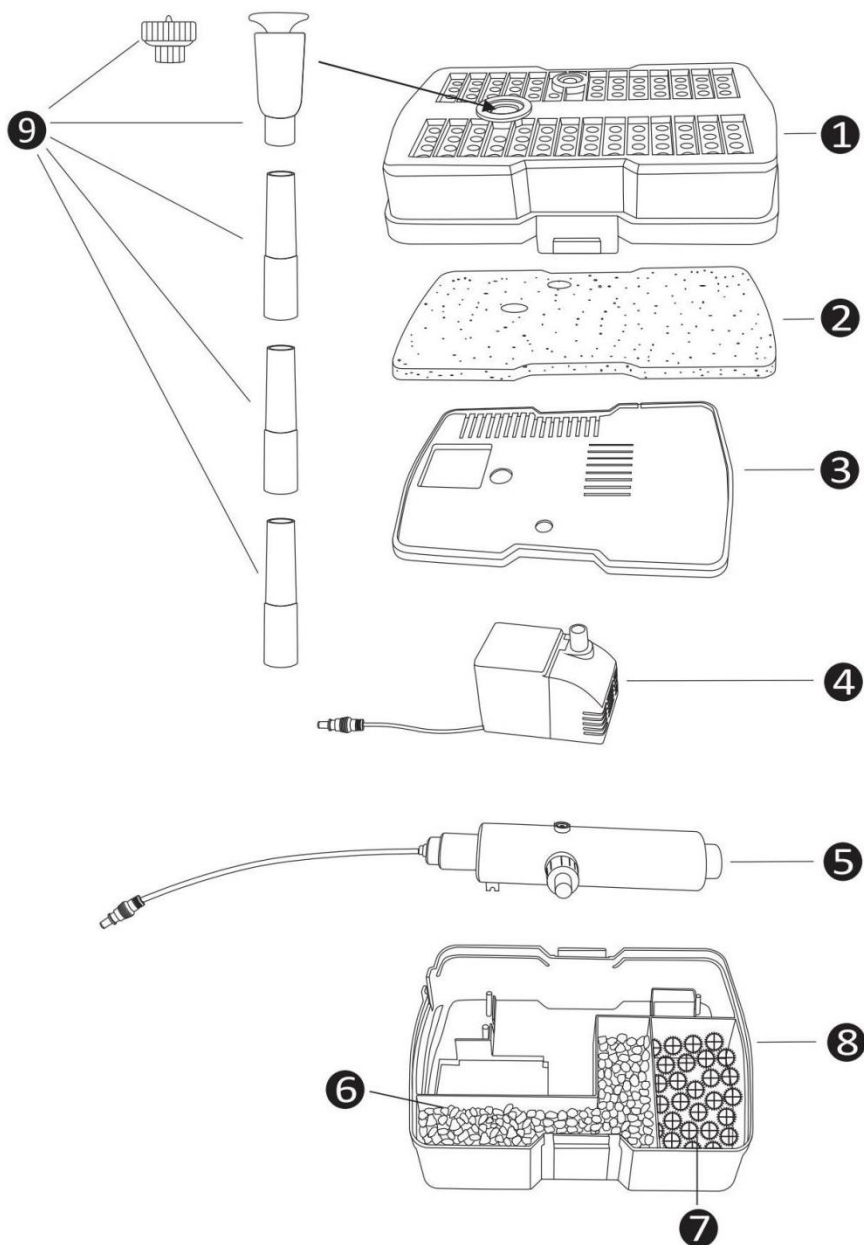
- The solar pump is designed for outdoor use, the pump is powered by a solar panel. In order to make the pump work, the solar panel needs to be placed in sun – ideally 45 degrees facing the sunlight.
- The performance of the pump depends on the sunlit intensity and the position of the solar module.
- The latest DC brush less motor technology is introduced in the pump design and manufacturing, so that the pump has high efficiency and long service life.

Filter Box

- Ideal for filtering water to keep your pond clean and healthy.
- Designed to work with a fountain pump so that you can enjoy the fun of a wonderful fountain while enhancing the water quality of your pond.
- Structured to hold the fountain pump inside to protect your fountain pump from being damaged by pond waste.
- Built-in UV light attacks microscopic algae reducing occurrence of green water.

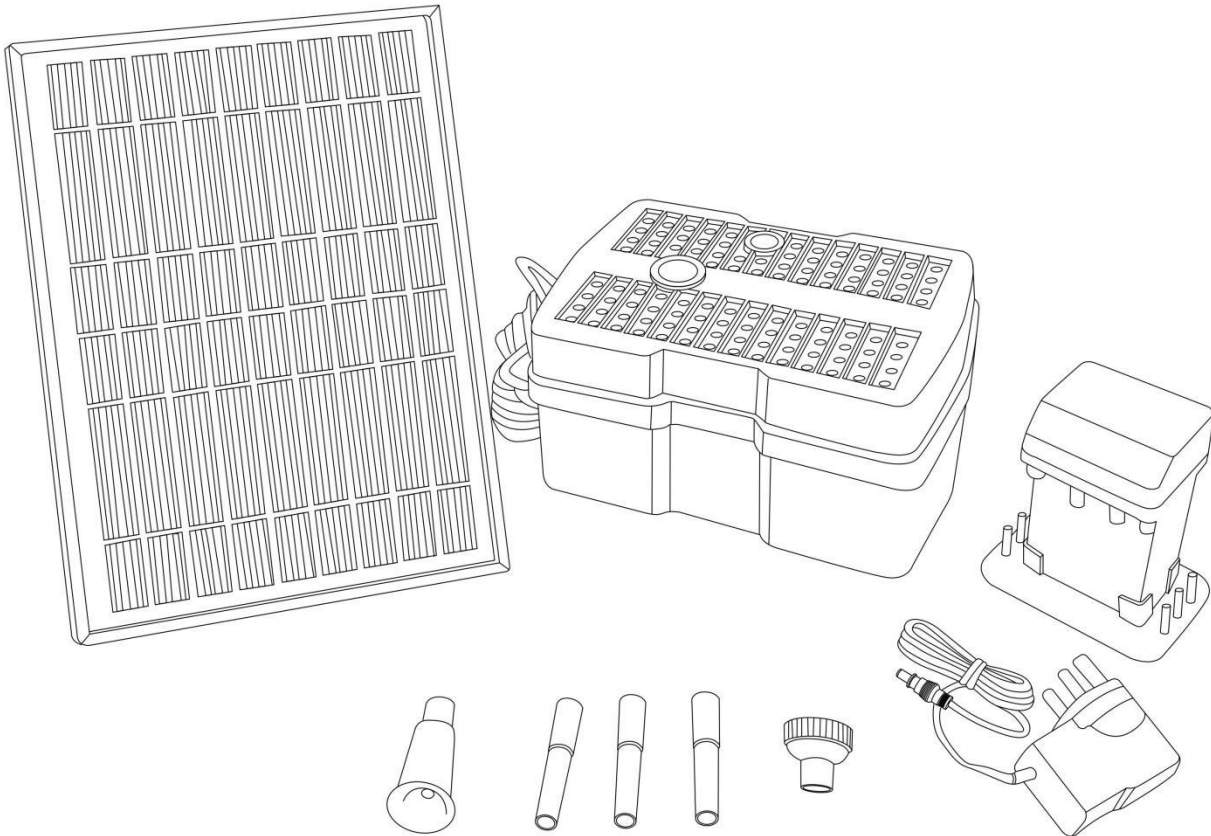
Part List

1	Filter cover
2	Sponge
3	Cover plate
4	Water pump
5	UV light
6	Gravel
7	Bio-cell
8	Filter base
9	Nozzles



2. ASSEMBLING

- 2.1. Unpack all components carefully
- 2.2. Unroll the pump and UV light cable.
- 2.3. Connect the solar panel by plug-in the connect cable.
- 2.4. Connect the pump and UV light to the control hosing.
- 2.5. Place the filter box underwater and make sure that, it is fully immersed in water.
- 2.6. Place the control box on the base.
- 2.7. The charger can use to charge the battery in cloudy day. But make sure to use it indoor.
- 2.8. The solar pump is now ready to operate.



3. OPERATING INSTRUCTIONS

Once installed, allow the control box to charge at least eight hours in direct sunlight or 8 hours by use of mains adapter in order to fully charge the battery.

3.1 Press the “on/off” button, turn on/off the system. The “L4” indicator light is on.

L4 light will show battery four different status as below:

- Green blink, means the battery is full, pump can operate around 4 hours max.
- Yellow blink, means the battery is half, pump can operate around 1.5-3 hours max.
- Red blink. means the battery is almost running out, pump can operate around 0.5-1.5 hours max.
- Red blink, means the battery is dying, pump doesn't operate, need to charge it at once.




3.2 Press the “UV&Pump” button, the “L1” Green indicator light is blinking, pump and UV light will operate in 2/3/4 hours by pressing 1/2/3 times of this button, then the pump and UV light will shut down, “L1” Green indicator light turn to solid, the system will store this time in its memory and will turn on every day at set time.

3.3 Press the “UV” button, the “L2” Green indicator light is blinking, UV light will operate in 2/3/4 hours by pressing 1/2/3 times of this button, then UV light will shut down, “L2” Green indicator light turn to solid, the system will store this time in its memory and will turn on every day at set time.

3.4 Press the “PUMP” button, the “L3” Green indicator light is blinking, pump will operate in 2/3/4 hours by

pressing 1/2/3 times of this button, then the pump will shut down, “L3” Green indicator light turn to solid, the system will store this time in its memory and will turn on every day at set time.

Charging: Once connected the solar panel with the control housing, and placed the solar panel in direct sunlight, the system is ready for charging. Customer can also use the adaptor to charge the housing IN DOOR.

Button	Setting	Timing	Cycle	Indicator light				
				Blink-according to timing during running	Solid			
A (UV&Pump)	Press once	2H	same time as originally	L1	twice interval	during stand by		
	Press twice	3H			three times interval			
	Press 3 times	4H			four times interval			
B (UV)	Press once	2H		L2	twice interval		during stand by	
	Press twice	3H			three times interval			
	Press 3 times	4H			four times interval			
C (Pump)	Press once	2H		L3	twice interval			during stand by
	Press twice	3H			three times interval			
	Press 3 times	4H			four times interval			
D	Power ON/OFF	-	-	L4	Green solid 			
					Yellow solid 			
					Red solid 			

4. CAUTIONS

- 4.1.Any altering of the product itself or changing of the components is forbidden.
- 4.2.Do not connect the pump to any AC voltage power, it’s ONLY for DC Voltage power.
- 4.3.Operate in freshwater only (never above 45°C), especially keep away from flammable liquids.
- 4.4.Do not strike the solar panel.
- 4.5.Do not let the pump run dry for long time.

5. CLEANING AND MAINTENANCE

- 5.1.If after some time the pump starts losing power or stops working, please clean up sediment in the pump shell. Please note the pump can be opened by pressing down on the bottom of the filter housing.
- 5.2.To clear the impeller, open the pump housing by unscrew the front plastic cover.

***The solar module should only be cleaned with soft tissue or propriety glass cleaning solution.**

6. FUNCTIONALITY PROBLEMS

- 6.1.Pump does not operate even though the solar module is in full sunlight.
 - 1) No connection to the solar module—check connection to the solar module.
 - 2) Impeller is blocked—to clean the pump, remove the front plate and the impeller using a small brush or water to remove any debris.
- 6.2.Pump does operate but there is no water running through the tubes: Clear the tube and the filter to make sure the tube is through completely.

7. TECHNICAL DATA

Solar Panel:	12W-13V
Operation Voltage:	10-12V DC
Water Flow Max.	850LPH
Water lift Max.:	1.25M
Cable Length	5M
UV light	5W-12V
Charger	13V 500mA
Lithium Battery:	11.1V-4AH

8. GUARANTEE

This product is guaranteed for a period of 12 months from the date of purchase for material or manufacturing defects. The guarantee covers the substitution of defective parts. If your pondXpert pump fails please take it back to the retail outlet from where it was purchased. You will be required to take your receipt/proof of purchase with you. This does not affect your statutory rights.

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Your appliance contains valuable materials which can be recovered or recycled. Leave it at a local civic waste collection point.