

**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.

**Functionality Problem**

1. Pump does not operate even though the solar module is in full sunlight.
  - > Connection lost to solar module – check connection to solar module.
  - > Impeller is blocked – To clean the pump, remove the front plate and the impeller. Use a small brush or stream of water to remove any debris.
2. 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.

Product:	Streetwize Garden Solar Lion Head Fountain Water Feature
Supplier code:	GW506
Solar Panel:	2W - 5V
Operation Voltage:	6.5V DC
Water Flow Max:	200LPH
Water lift Max.:	0.8M
LED Light	2 x 4pcs LED ring
Cable Length:	5M
Lithium Battery:	3.7V-2000mAH

# Solar Lion Head Fountain Water Feature with Back-Up Lithium Battery

To get the best use of this water feature, we highly advise that you read all the information and safety guidelines in this document, and retain for future reference.

**Contents**

1. Streetwize Garden Lion Head Fountain Water Feature
2. LED light
3. Solar panel with built-in back-up lithium battery
4. Water pump
5. Stake for solar panel

**Positioning This Solar-Powered Water Feature**

When placing this water feature, ensure the solar panel is placed where it can get the most direct sunlight.

Avoid positioning the solar panel in an area where there is a lot of shade as this will affect the performance.



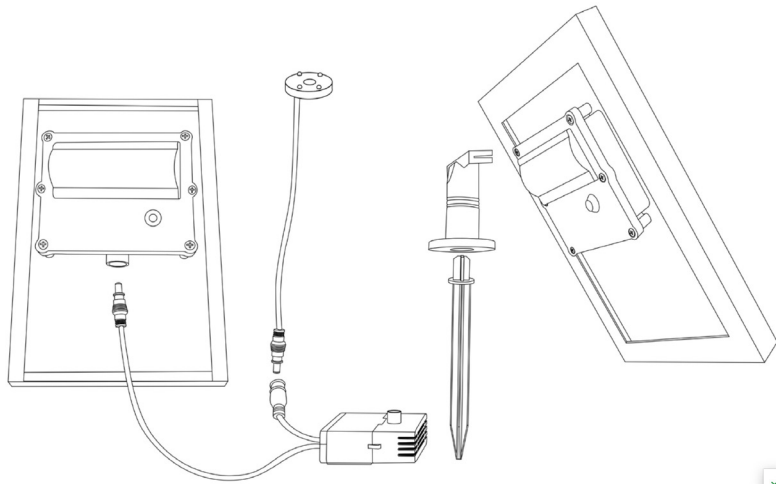
**Overview**

- 1 The solar pump is designed for fountain, pond or outdoor use. In order to the solar pump to operate, the solar panel needs to be in direct sunlight.
- 2 This solar pump is equipped with battery pack and can be switched on and off by an "On/Off" switch on the control box.

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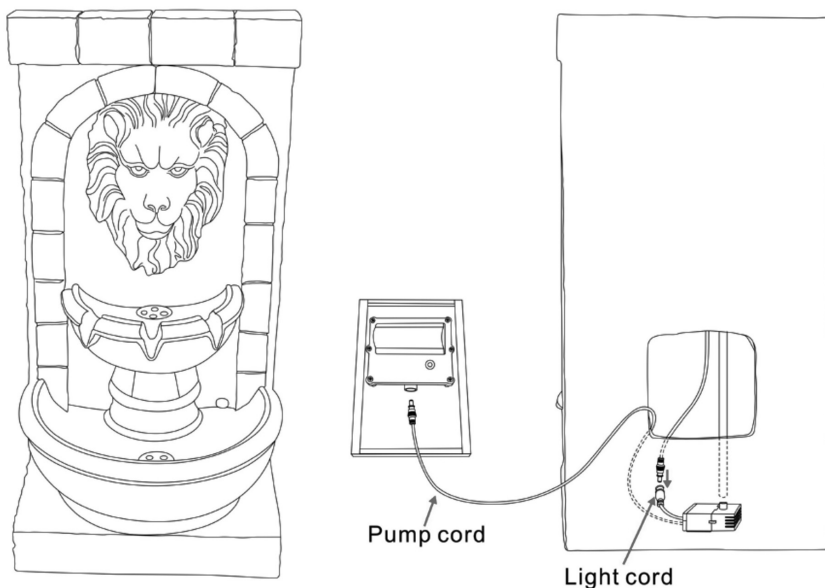
EU Registered Address: Ace Supply Co (Europe) Ltd, 25 Herbert Place, Dublin 2, D02 A098 Republic of Ireland.



**Assembling and using the product**

1. Take out all parts of the packaging.
2. Fill the fountain's basin with clean tap water.
3. Place the pump underwater and make sure that it is fully immersed in water.
4. Connect the pump cable to the socket of the control box on the rear side of the solar panel; Make sure to put the solar panel in direct sunlight shines.
5. Connect the light cable to the light socket of pump.
6. The solar fountain is now ready for use.

**Assembly**



**Caution**

1. Do not strike the solar panel
2. Do not put the solar panel behind a glass or be covered by the shade, even just a part
3. Do not hang the solar panel upside down, use something waterproof to plug the jack when the jack is not use
4. Do not let the pump run dry for long time
5. Do not lift the pump by the power cord
6. Operate in freshwater only

**Operating Instruction:** Turn on the pump: press the button to turn on the pump, the pump will run certain hours (ref to battery status) and stop working till the battery power runs out. The battery will then enter charging state. When the battery reaches full charge, the pump will start automatically.

Stop the pump: press the button to turn off the pump, the pump will stop.

Charge the battery: press the button to turn off the pump and charge the full solar energy to battery during day time, press again to turn on the pump when you need it (on demand).

**Working time:** When the battery is fully charged and without any sunlight input, pump will run for around 6-8 hours. If with strong sunlight input, usually could run more than 8 hours.

Only use freshwater when using this water feature

**Storage**

Ensure the battery is fully charged before storing and disconnecting all cables. We recommend the use of a cover to protect the water feature from dust/damage.

**Pump Performance in Different Weather Condition:**

	Solar energy runs the pump and charges the battery. Pump performance is maintained when brief cloudy conditions occur. Pump runs up to 5 hours in the evening.	Battery should be fully charged in 1 day.
	Solar energy runs the pump and supplies some energy to the battery. Performance is maintained when the clouds pass. Pump will only run a shorter period of time in 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.