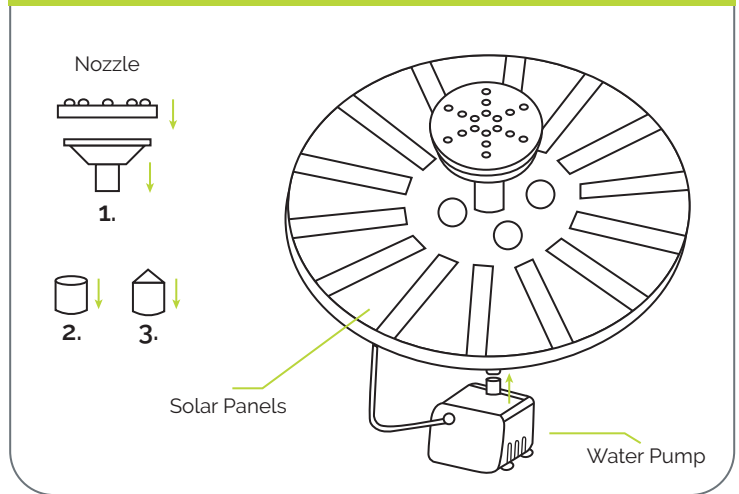


## Specifications

POWER	5V/1.6W
SIZE (cm)	16
MAX WATER HEIGHT (cm)	55
MAX FLOW	200L/H
BATTERY	3.7V1500MA
PACKAGE INCLUDES	1 WATER PUMP, 1 SET OF SOLAR PANELS, PACK OF NOZZLES

## Diagram



## Installation

1. Before installation check if the pump's cable plug has a white rubber waterproof o-ring. Insert the plug into the socket marked with "PUMP" at the bottom of the solar panel. Push the plug all the way so that the o-ring is not visible.
2. Connect the pump's water outlet (hose) to the middle of the bottom of the solar panel.
3. Choose which nozzle to install and insert it into the middle of the solar panel.
4. Place your water feature in direct sunlight and on a level surface. Fill it with water, ensuring that the pump is fully submerged.
5. Combine your water feature with the solar part of the unit. The pump should start working immediately.

## Performance & Overview

The solar pump is designed for use outdoors. In order for the solar pump to operate, the solar panel needs to be in direct sunlight for optimum charging efficiency.

The electricity generated by the solar panels is supplied to the water pump, and the excess is stored in the battery. This prevents the feature "cutting out", for example when it gets cloudy.

**IMPORTANT!** If you notice there is no water in your feature, disconnect the pump from the solar panel. Running the pump dry will reduce its life and will lead to a unit failure.

The build up of sediment, scale or dirt can affect the pump and result in the loss of power or complete failure to work. Remove the pump cover and the impeller and clean them with fresh water.

## Pump performance in different weather condition

	The solar panel powers the pump and charges the battery. <b>PLEASE NOTE:</b> The solar panel takes 2 hours to fully charge. Once fully charged it powers the pump for 2 hours in cloudy conditions.
	The solar panel powers the pump and supplies extra energy to the battery. Performance is maintained when the clouds pass.
	The pump will only run when there is sufficient power from the battery. Little or no battery charging occurs.