



For further information, including parts, warranty repair or general inquiries, please contact Smart Solar at:

USA Corporate Office

Tel:

**1-813-343-5775**

Website:

**[www.smartsolar.com](http://www.smartsolar.com)**

For ease of locating parts and to make customer service inquiries more efficient kindly register your purchase at **[www.smartsolar.com/registration](http://www.smartsolar.com/registration)** or simply hit the "Product Registration" button found in the customer service section of our website.



Made In China



Model 34251R01

## Kensington Gardens Two-Tier Fountain

Solar Powered Fountain



## KENSINGTON GARDENS TWO-TIER FOUNTAIN

Instruction Manual

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### 1. INTRODUCTION

Thank you for purchasing the Kensington Gardens 2-Tier Solar Fountain. These instructions contain important information for using this product. Please keep them in a safe place for future reference.

### 2. SPARE PARTS

- |                             |          |
|-----------------------------|----------|
| 1. Solar panel              | 2060AS01 |
| 2. Panel/Pump connector kit | 2090KIT2 |
| 3. Pump                     | 20020P01 |
| 4. Pump impeller            | IMPELLER |
| 5. Pump cover with filter   | PCOVER07 |

### 3. FULL 1 YEAR WARRANTY

If within 12 months from the date of purchase this product fails due to a defect in material or workmanship, Smart Solar will replace it free of charge. You must report any contents damage or missing pieces within 72 hours of receipt of goods for your claim to be valid.

#### The warranty does not apply to:

Damage caused by accidents, abuse, poor handling, frost or normal wear and tear. Products which have been subject to unauthorized repair or modification.

The water feature, solar and pump must NOT be left in below freezing conditions. Please store your water feature indoors during periods of frost/freezing. Leaving the water feature in below freezing conditions will void this warranty. The pump must never be operated out of water as this will permanently damage the performance of the pump.

For further information please contact your nearest customer service center detailed on the last page of this manual.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



Smart Solar reserves the right to modify any product to enhance performance and design.

### 4. BEFORE YOU START

Decide on an appropriate outdoor location for your water feature. Ideally this should be on a flat surface. A solar panel powers the pump by converting sunlight into electricity.

The solar panel will power the pump when exposed to direct sunlight. If the sun passes behind a cloud then the amount of electricity produced by the panel will decrease and the pump will stop working or slow down. As soon as the sun reappears from behind the cloud the amount of electricity will increase instantly and the pump will begin to work again.

The amount of electricity produced by the solar panel is proportional to the strength of sunlight received. For optimum performance we recommend that your solar panel should be exposed to as much direct sunlight as possible and away from shady areas e.g. under trees.

### 5. OVERVIEW

The Kensington Gardens 2-Tier Solar Fountain has been designed for outdoor use. The pump drives water to the upper tier and then cascades down into the resin bowl. The water is constantly recycled.

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### 6. COMPONENTS



1. Upper tier with attached solar module and pump unit
2. Resin bowl
3. Resin Stand

### 7. ASSEMBLING AND USING YOUR PRODUCT

Unpack all components carefully. Please ensure that you check all parts have been removed from the packaging. Decide on a suitable location, bearing in mind there will be some water splashes when the product is in use.

First assemble the resin bowl onto the resin stand. Then place the upper tier with solar module and pump unit into the resin bowl (make sure the pump is attached to the connection tubes). Fill the main bowl with water and align the upper tier so water flows equally through all spouts.

**Please Note:** We recommend you use filtered or rain water to prevent scale build up.

**Please note:** On first use there may be air in the pump. It can take up to 5 minutes until all the air is expelled and water begins to flow from the upper tier.

### 8. 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 and in the bottom of the pump housing. Carefully take out the top tier. Turn it upside down on a soft surface. Dry the solar pump connector and disconnect. Remove the pump cover at it's base. Take out the impeller and remove any sediment, scale or dirt that has built up. Replace the impeller and replace the pump cover.

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**IMPORTANT:** To ensure the seal remains water-tight twist the pump and panels connectors together rather than merely pressing them together. Check that the small yellow rubber "o" ring remains in it's groove and is not pushed out when connecting. If this ring moves there will be no water seal and the pump and panel will eventually fail

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

### 9. TROUBLESHOOTING

If you have any problems please contact Smart Solar before returning to the place of purchase. For immediate answers visit our website [www.smartsolar.com](http://www.smartsolar.com) where you will find extensive trouble shooting, FAQs and be able to order spare parts.

**Pump is noisy and there is no water running through the tube**  
Take off the pump cover and remove the impeller. If the pump is still noisy without the impeller then seek a replacement. If the noise stops, clean the pump and replace the impeller and cover. This problem may repeat if the water contains debris, we recommend regular water changing.

**Pump does not operate even though the solar panel is in full sunlight**

Check whether the impeller is blocked by removing the pump cover. If it is, then clean the pump as detailed above.

**Pump does operate but there is no water running through the tube**

- 1) Check for the build up of sediment, scale or dirt in the filter and in the bottom of the pump housing as detailed above.
- 2) Check whether the pump cover is attached properly. If the pump cover is not pushed down tightly, the pump will not push water through the fountain.
- 3) If fitted, check the sprinkler head is not blocked. Remove the cap, rinse the parts in water to clean before re-assembling.

**Water flows through the tube but not over the 4 spouts**

- 1) Make sure the fountain is level.
- 2) Check that the bung is securely fitted in the hole.
- 3) Check that the tubes are connected between the pump and panel.

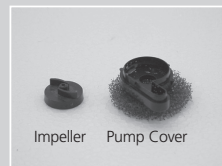
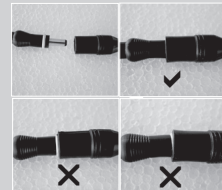
**Please note:**

If the water is likely to freeze the pump and panel must be removed from the water feature and stored in a dry frost proof environment. The water feature can remain outside.

The pump must never be operated dry (out of water) as this will have a permanent adverse affect on the performance of the pump.



Turn upside down on a soft surface and remove the pump unit



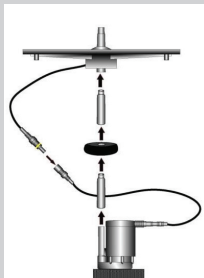
Impeller Pump Cover



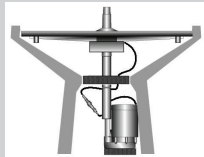
Remove Pump Cover



Take out impeller to clean



How pump and panel connect together in top tier (make sure rubber bung is securely fitted into the hole)



Screw the resin bowl onto the resin stand.