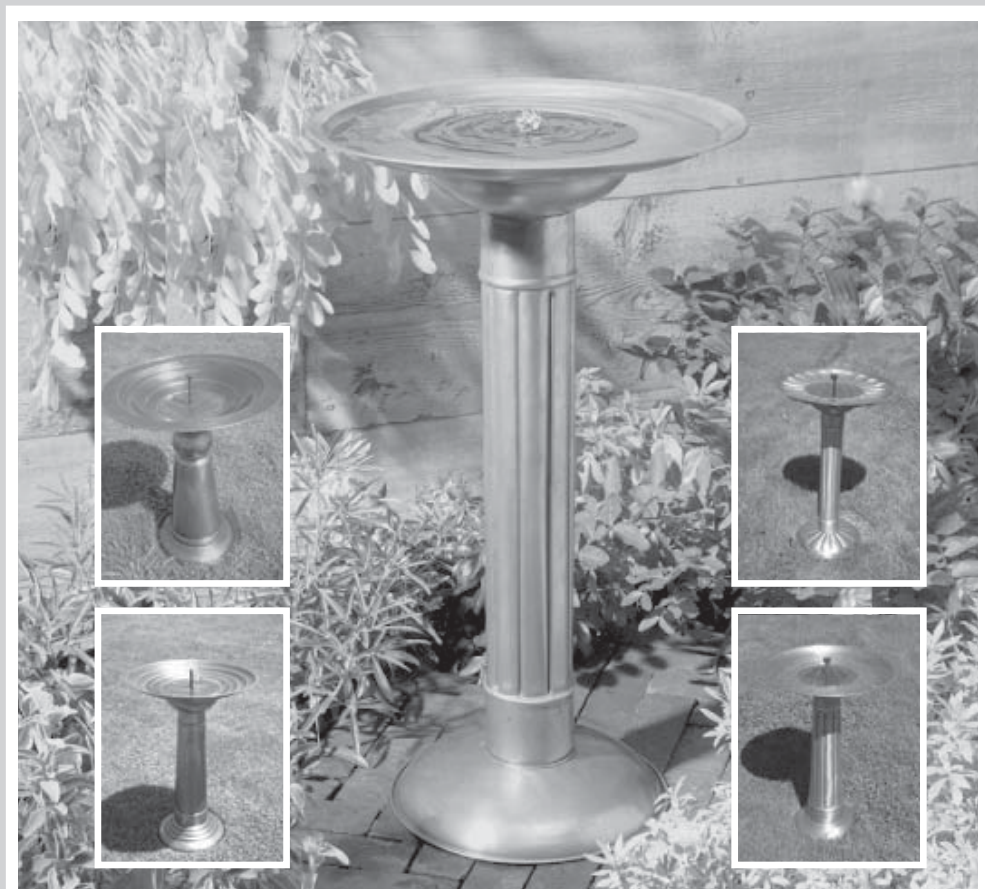




# solar copper birdbath fountain

solar powered fountain

operates in direct sunlight



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 an extensive trouble shooting section with frequently asked questions and instant email enquiry forms.

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## Introduction

Thank you for purchasing a Solar Copper Birdbath Fountain. These instructions contain important information for using this product. Please keep them in a safe place for future reference.

## 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.

## Overview

The Solar Copper Birdbath Fountain has been designed for outdoor use. The pump drives water up through the fountain head and then sprinkles down into the main bowl. The water is constantly re-cycled.

## Components



Style of parts may vary but assembly method remain the same

- |                                       |                      |
|---------------------------------------|----------------------|
| 1 Solar panel with attached pump unit | 2 Birdbath main bowl |
| 3 Birdbath stand                      | 4 Birdbath base      |
| 5 Copper Plate                        | 6 Fountainhead set   |
- (for winter/ holiday use)

## 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.

### Stabilising your birdbath:

In order to ensure birdbath remains stable we recommend you fill the base (item 4) with rocks and/or sand before fitting the stand.

Attach the stand onto the base and main bowl as shown. Place the solar panel with attached pump unit into the recess in the main bowl and fill with water.

The Solar Copper Birdbath Fountain is now ready to use.

The birdbath can operate with or without the fountainhead fitted. If using the fountainhead, please check regularly that there is no excessive splashing causing the reservoir to run dry.

**Please Note:** We recommend you use distilled 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 sprinkle from the fountain head.

**Please note:** If you are away from home for more than 2-3 days, remove the solar pump unit and insert the spare copper plate.



Attach the stand onto the base



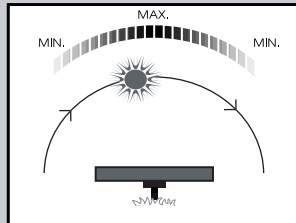
Attach main bowl to the stand



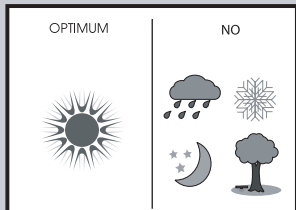
Insert the solar panel/ pump



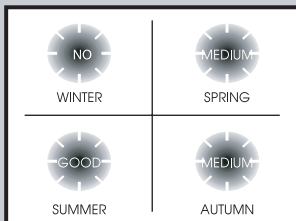
Clean the sprinkler head by using a screwdriver



PANEL PERFORMANCE



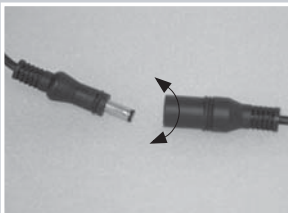
CONDITION FUNCTIONALITY



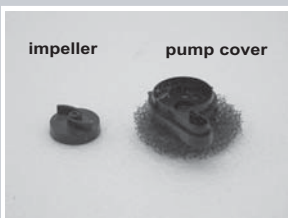
SEASONAL FUNCTIONALITY



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



Ensure the underwater connector is water tight.



Remove pump cover



Take out impeller to clean

## Cleaning and Maintenance

**Pump:** If after time the pump starts to lose power or stops working you should check for the build up of sediment or scale in the bottom of the pump housing. Carefully remove the solar pump unit and turn it upside down on a soft surface. Dry the solar pump connector and disconnect.

Remove the pump from the plastic unit and open the pump housing at its base. Remove the impeller and remove any dirt or scale which has built up. Replace the impeller and replace the pump cover.

**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 rubber "o" ring remains in its' 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.

**Copper fountain:** The fountain is made out of natural copper which will age and patina over time. Certain chemicals can remove any build up although copper oxidation can enhance the natural beauty of the product.

## Trouble Shooting

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

- 1) Check the connection of the pump to the solar panel. If loose then re-connect, rotating the connectors until good contact is made. If any of the cabling is damaged then seek a replacement.
- 2) 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 that the sprinkler head is not blocked. Push off the cap using a screwdriver and rinse the parts in water to clean before re-assembling.

### Please note:

In winter the Solar-/Pump unit must be stored in a dry and frost proof environment.

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

## Spare parts

1. Solar panel	2060AS01
2. Pump	20020P01
3. Pump impeller	IMPELLER
4. Pump cover with filter	PCOVER
5. Fountain head set	2062FH

If you require replacement copper parts please quote the item required and style/name of the birdbath you have purchased.

## Full 2 year warranty

If within 24 months from the date of purchase this product fails due to a defect in material or workmanship, Smart Solar will replace or repair free of charge.

Please report immediately if there is any damage or missing pieces upon receipt of goods.

### 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.

For further information please contact your nearest customer service centre 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 reserve the right to modify any product to enhance its' performance and design.