



# Solar Copper Cascade

Solar Powered Fountain

operates in direct sunlight



## CONTENTS

1. Introduction
2. Security instructions
3. Overview
4. Components
5. Assembling and using your product
6. Cleaning and maintenance
7. Functionality problems
8. Technical data
9. Spare parts
10. Two year warranty

**These instructions relate ONLY to the Solar Copper Cascade and contain important information for using the product for the first time. Please keep these instructions for later reference. They should always accompany the product in the event of transfer to a new user.**

## 1. INTRODUCTION

Thank you for purchasing the Solar Copper Cascade. You have purchased a product that complies with the latest and most up-to-date solar technology available.

This product complies with the European and National Standards. The relevant certificates of conformity are held by STI Group.

To preserve these standards and in order to maintain safety you should adhere to the instructions for use detailed in this manual.

## 2. SECURITY INSTRUCTIONS

In the event of any problems arising or damage occurring as a result of misuse the manufacturer's warranty will be deemed cancelled. The manufacturer is not responsible for any claims or damages arising from the misuse of this product. For safety reasons and in order to maintain standards (CE) you are prohibited from altering or changing any component in the Solar Copper Cascade.

**Please follow the instructions very carefully.**

For commercial applications due care and attention must be paid to the Health and Safety Standards in your jurisdiction.



Solar Panel & Stand Kit



Fixing the Panel Holder



Wall Mounted Solar Panel



Stand Mounted Solar Panel

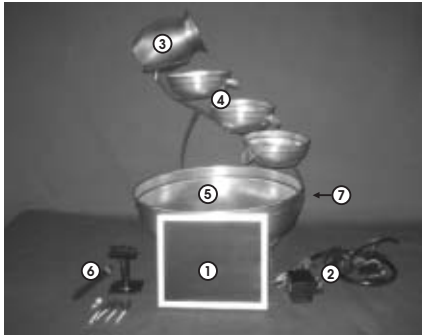


Standing Solar Panel

### 3. OVERVIEW

The Solar Copper Cascade has been designed for outdoor use. A solar module powers the pump. The pump drives water to the topmost jug and then cascades down through the lower tiered bowls. In order for the pump to operate, the solar module needs to be placed in direct sunlight. The performance of the pump depends on the season and the position of the solar module.

### 4. COMPONENTS



- |   |                          |
|---|--------------------------|
| 1 Solar panel                               | 4 Small bowls            |
| 2 Pump with plastic tube and plastic straps | 5 Main bowl              |
| 3 Jug                                       | 6 Solar panel holder set |
|   | 7 Metal stand (behind)   |

### 5. ASSEMBLING AND USING YOUR PRODUCT

#### Unpack all components carefully.

Decide on a suitable location.

#### Please note:

There will be water splashes when the product is in use. Make sure that the surface on which you are placing the fountain will not be affected.

First assemble the plastic coated metal stand. There are three connection points. Insert the big bowl first. Make sure that this is correctly aligned, next insert the three small bowls.

Unroll the pump cable.

Draw the hose through the topmost ring and slide the hose over the copper tube on the base of the jug. Then place the jug on the topmost ring ensuring correct alignment.

Affix the hose along the metal frame using the provided plastic straps.

Fill the main bowl with water.

#### Please Note:

We recommend you use filtered, distilled or rain water to prevent scale from building up.

Insert the connector into the rear of the module.

The Solar Copper Cascade is now ready to operate.

#### Please note:

On first use, there may be air in the pump. It can take up to 5 minutes until the air escapes.

### 6. CLEANING AND MAINTENANCE

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 pump from the hose. Open the pump housing at its base. Remove the impeller. Remove any dirt or scale, which has built up and close the case back up. Carefully reattach the pump to the hose.

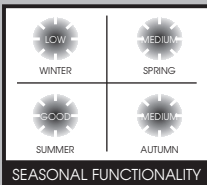
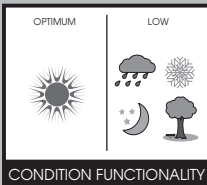
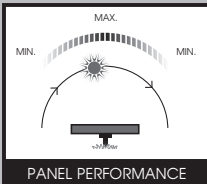
The Solar module should only be cleaned with soft tissue and proprietary glass cleaning solution.

#### Please note:

that the jug and the bowls are made 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.



Solar panel connector



Slide the hose over the copper tube

## 7. FUNCTIONALITY PROBLEMS

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

- 1) No connection to the solar module - Check the connection to the solar module.
- 2) Impeller is blocked - Clean the pump.

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

Check for the build up of sediment or scale in the hose or the filter. Clean the hose and filter.

## 8. TECHNICAL DATA

Operation voltage:	6.0 V
Solar module:	7.5 V / 1.5 W
Pump performance:	max. 55 gph
Cable:	16 ft

**Important:** In winter the Solar Copper Cascade Fountain must be stored in a dry and frost-proof environment. The pump must never be operated dry (out of water) Dry operation permanently damages the pump.

## 9. SPARE PARTS

<b>Finish:</b>		Antique	Brushed
<b>Solar panel:</b>	Item No.	2634-01	2635-01
<b>Pump with plastic tube:</b>	Item No.	2634-02	2635-02
<b>Jug:</b>	Item No.	2634-03	2635-03
<b>Small bowl:</b>	Item No.	2634-04	2635-04
<b>Main bowl:</b>	Item No.	2634-05	2635-05

## 10. 2 YEAR WARRANTY

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

**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 service center detailed on the last page of this instruction manual.



Remove pump base



Clear impeller



For further information, including parts, warranty repair or general inquiries, please contact the STI Group at:

### USA Corporate Office

Tel: 847.918.8558

Address: 1203 Loyola Drive • Libertyville, IL 60048

Email: [info@zablp.com](mailto:info@zablp.com)

Website: [www.zablp.com](http://www.zablp.com)

### Intellectual Property

This product is covered by one or more international and US patents pending.

All logos, designs and colors are copyrights and trademarks of STI Group.

All rights reserved 2005

---

Please register your product online at our website:  
[www.zablp.com/registration](http://www.zablp.com/registration)

---

### STI Group Locations:

CHICAGO

LOS ANGELES

ATLANTA

SHENZHEN, CHINA

