



SF013 Solar Stone Pump Kit

Instructions

By All Solar Central

www.allsolarcentral.com

Thank you from the entire ASC family for purchasing an ASC solar product! Please read this entire booklet before assembly.

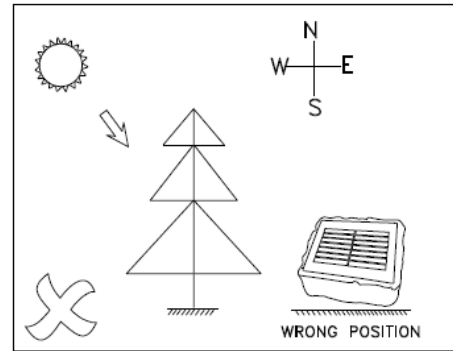
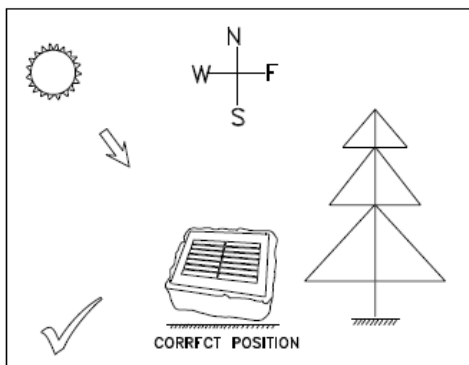
Package contents:

- 1 x Water Pump with 16 ft. Cable
- 1 x LED Light Ring with 16 ft. Cable
- 1 x Solar Panel with Battery Pack
- 1 x Solar Panel Bracket
- 2 x Extension Tube
- 1 x Ground Spike
- 1 x Set of Fountain Nozzles
- 1 x Floating Foam

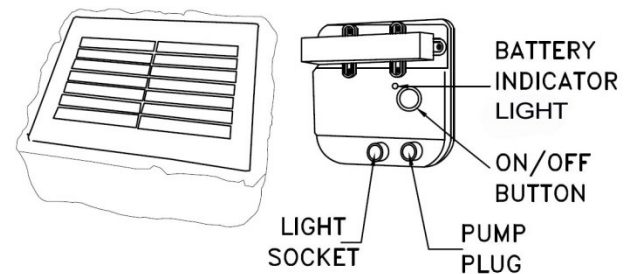
Notes: If there is any damage to the product or missing parts, please contact us at 1-626-582-8898 or www.allsolarcentral.com/contactus

Assembly Steps:

1. Position the solar panel so it's facing south (in northern hemisphere) as much as possible to maximize daylight hours. It is important to angle the solar panel to face the sun when the sun is at its highest point. Ensure the solar panel is not shaded by trees, shrubs or buildings.



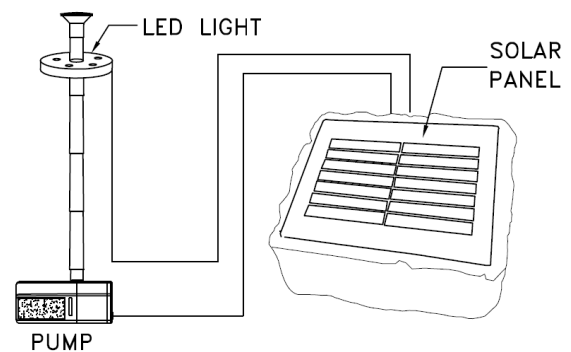
2. Connect the pump, LED Light to the Solar Panel (See diagram below:)



IMPORTANT!!

Slightly twist the connectors when connecting to make sure the rubber seals are fully in the grooves.

3. The assembled Solar Pump should look like this:



4. SOLAR WATER PUMP KIT OPERATION

This solar pump kit will work during the day time and keep running until it runs out of battery at night. LED lights will automatically turn on at night to illuminate the spray.

- a. **Press [On/Off] Button** on the back side of the solar panel to turn on the pump, and the battery indicator light will turn on. Press again to turn off the pump, and the battery indicator light will turn off as well.

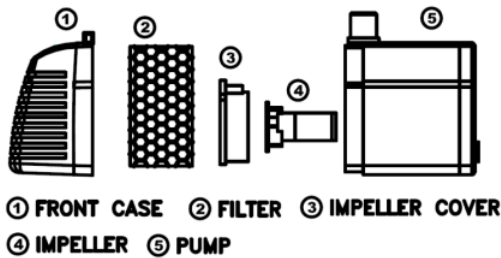
- b. When the battery is low, the pump/LED lights will shut down automatically to protect the battery. The indicator light will turn off until the battery is recharged.

5. PERFORMANCE OF THE PUMP

The performance of the pump depends on the orientation of the solar panel towards the sun and the sunlight strength. In order to achieve max performance, please make sure the panel is facing in the direction of the sun. A solar panel positioned in the shade or in poor weather will not maximize the charge. This models pump performance will depend on the battery power level. The pump will not work if battery power is too low.

6. PUMP MAINTENANCE

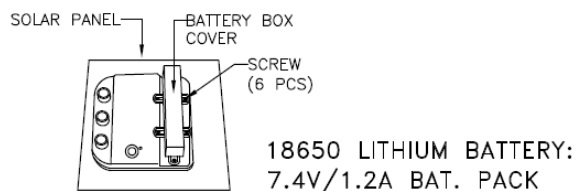
If you find the pump starts losing power or stops working, please clean the pump filter and impeller with clean water.



7. BATTERY MAINTENANCE

If properly maintained this solar pump has been designed to run for many years. The Lead-acid battery does have a limited life span and might need to be replaced after 18-24 months of use. If the battery appears less efficient, please try to boost charge it. To do this, leave the system off for 2 to 3 sunny days to allow the battery to fully charge. It is recommended to do this occasionally to maximize battery life time.

To replace old batteries, unscrew the battery box cover and replace the batteries.



8. TROUBLE SHOOTING

- Check to see if the solar panel, pump and led light are connected properly
- Check to see if the solar panel is correctly positioned facing the sun. Please ensure the solar panel is not in the shade or obstructed by trees, shrubs or a building (see step 2).
- Check if battery indicator light is on. If not, this indicates that the battery power is low. Switch off the pump and leave the solar panel charging under direct sunlight for 1 or 2 days.
- Check water level and make sure the pump is fully submerged in water
- Check to see if the pump filter/impeller is blocked by debris
- Check to see if the fountain tubing is blocked by kinks and obstructions
- Check the pump. It may be “air locked”. Turn the pump on/off switch several times to clear any air that may have been trapped.

9. WINTER PROTECTION

The solar pump is designed mainly for use during summer hours, but it will also work in spring and fall as long as the sunlight conditions are good enough in your region. Indoor storage is recommended during winter months. Normal operating temperature is between 50 and 113 °F. The battery can be recharged at temperatures between 32 and 113 °F

BATTERY DISPOSAL: Never dispose of batteries in the garbage. Disposal of batteries in the garbage is unlawful under state and federal environmental laws and regulations. Always take used batteries to your local battery-recycling center.

Please visit www.allsolarcentral.com for more products and offers.

