



## **Solar Cube Frequently Asked Questions**

**Q: How does the Solar Cube work?**

**A:** It works by storing energy from the sun via photovoltaic solar panels or wind via a wind generator into a bank of built in 24 volt batteries. The batteries send power to the water delivery pump and the pre-filtration system. The water then goes through the reverse osmosis desalinization module, which purifies the water ridding it of bacteria, viruses, salts and harmful chemicals.

**Q: What sources of drinking water work with the Solar Cube?**

**A:** Any. Seawater, river water, lake water, creek water, well water, or polluted fresh water.

**Q: Will the Solar Cube remove everything that contaminated the water?**

**A:** It will remove all salts, chemicals, bacteria and viruses. If the water is contaminated with oil, an oil water separator or an oil pre-filter is required.

**Q: How do I know the water is drinkable?**

**A:** The Solar Cube includes a portable water tester that tests the Total Dissolved Solids (TDS) to ensure that it is drinkable.

**Q: How much drinking water and electricity can the Solar Cube generate per day?**

**A:** Per day, it can produce 1,000 gallons of drinkable water from a seawater source or 3,500 gallons of drinkable water from a contaminated fresh water source. There could be enough electricity to run a small refrigerator with medicines, a laptop, and emergency communications. The excess electricity to run emergency equipment is about 1200 watts depending on the solar and wind conditions

**Q: How difficult is it to install and operate the Solar Cube?**

**A:** The Solar Cube is easy to set up. Installation can be completed in an hour or less. Training to set up and install the Solar Cube is included with the purchase.

**Q: How do I hook up the Solar Cube to the water supply?**

**A:** There is a pump attached to the Solar Cube that must be placed into the water source. The water is then pumped into the system for purification.

**Q: Is the Solar Cube a self-contained unit?**

**A:** The Solar Cube is a completely self-contained system that cleans its own filters.

**Q: Where is the Solar Cube currently installed?**

**A:** The Solar Cube has been very successful in Pakistan where it was used for earthquake relief and is providing two and a half gallons of free clean drinking water to 1,000 families a day. There are also installations in Venezuela, Africa, Chile ect

**Q: What companies are backing the Solar Cube?**

**A:** The Solar Cube is made by Spectra Watermakers, Inc., a San Rafael, California marine equipment and system manufacturer, and Trunz of Switzerland, a leader in manufacturing and water technology.

**Q: What is the shelf life?**

**A:** The Solar Cube has an unlimited shelf life.

**Q: What if there is no wind or sun?**

**A:** The Solar Cube will run on the energy that is stored in the batteries. It can also be plugged into the grid or a generator

**Q: How difficult is it to get replacement parts?**

**A:** Replacement parts are readily available from the manufacturer.

**Q: What is the cost of the Solar Cube Water System?**

**A:** It ranges from \$38,000 to \$80,000. If the cost is calculated over a conservative estimate of seven years, the Solar Cube actually costs less than \$15 a day, or about a penny for every gallon of clean drinking water it produces.