

## What is Solar Thermal Air Conditioning?

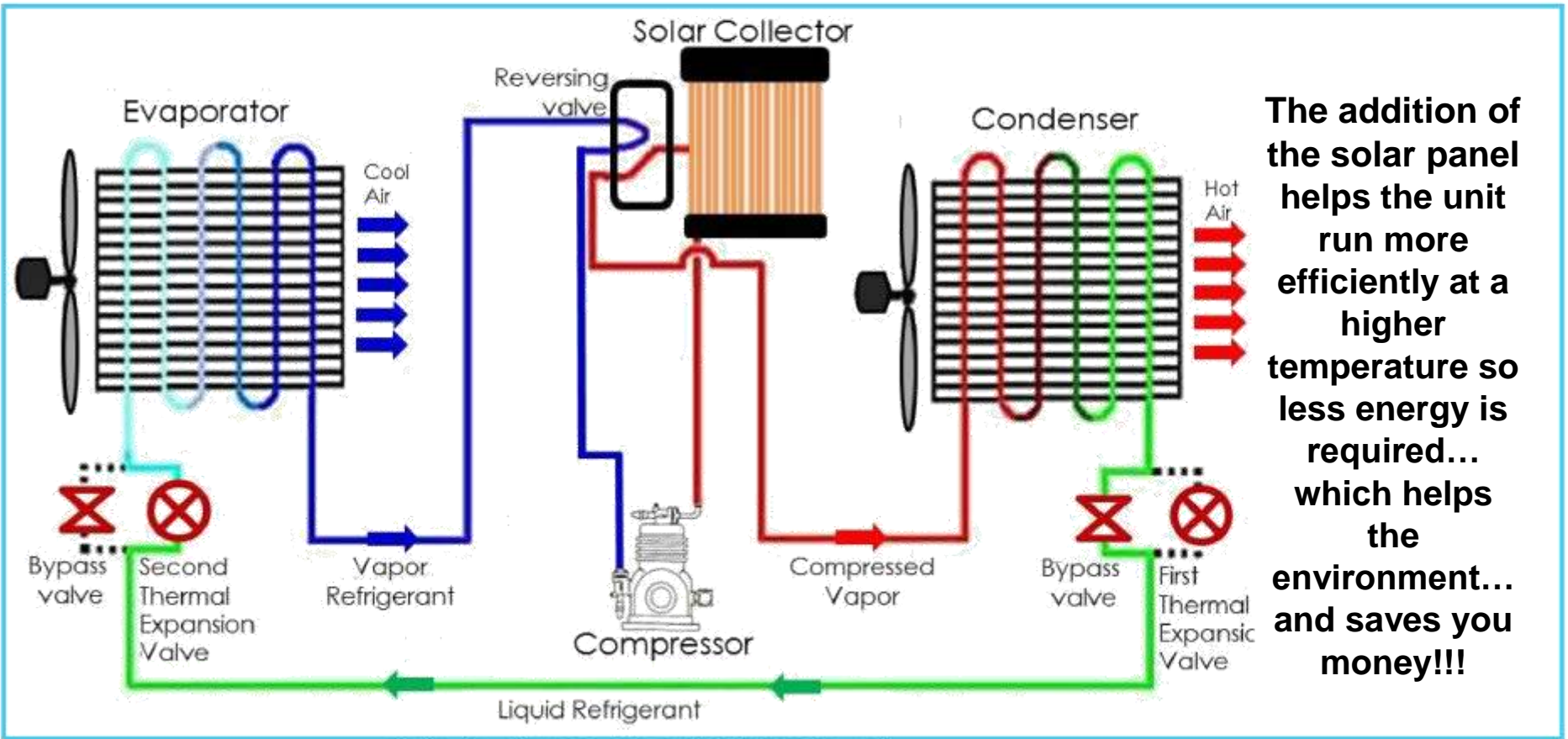


Solar Thermal Air Conditioning is the combination of a **state-of-the-art high-efficiency** 2-stage air conditioning system integrated with a **Proprietary Solar Thermal Collector Panel**, creating **the most energy-efficient** Air Conditioning System available today!

The key element is the integrated Solar Thermal Collector super heating the air conditioning system's refrigerant, which in turn reduces the required work load of the compressor. This then **lowers** the overall **power consumption** of the system, **saving energy and money.**

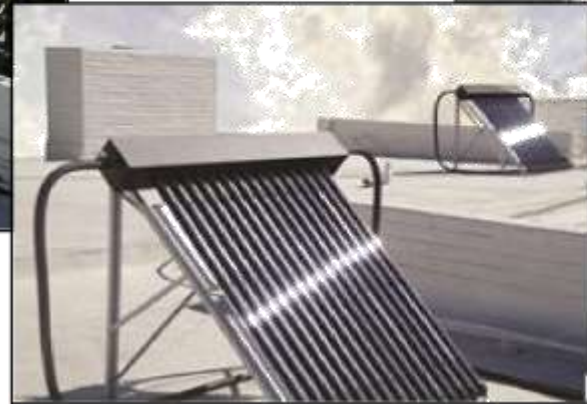


# How Does Solar Thermal A/C Work?



**The addition of the solar panel helps the unit run more efficiently at a higher temperature so less energy is required... which helps the environment... and saves you money!!!**

# Installations





### **What can I expect on cloudy days?**

Efficient, low maintenance evacuated tube collectors produce thermal energy, even on cloudy days.

### **Who will install the Solar Thermal A/C system?**

Installation is performed by a licensed HVAC and certified Solar Cool representative.

### **Does this technology qualify for tax credits/rebates?**

Yes. To check for current tax and rebate incentives available in your state, see [www.dsireusa.org](http://www.dsireusa.org)

### **What is the life expectancy of a Solar Thermal A/C system?**

The median life expectancy of the Solar Cool solar air conditioning and heating systems is 15 years.



### **Is this technology reliable?**

Solar thermal collectors have had 30+ years of success and it was simply combined with modern day HVAC technology to create optimum efficiency and output.

### **What type of scheduled maintenance is involved with a solar powered A/C unit?**

The scheduling of routine maintenance should be the standard preventive check-up which is every 2 years.

### **Can the solar collectors for the solar A/C be used for any heating applications?**

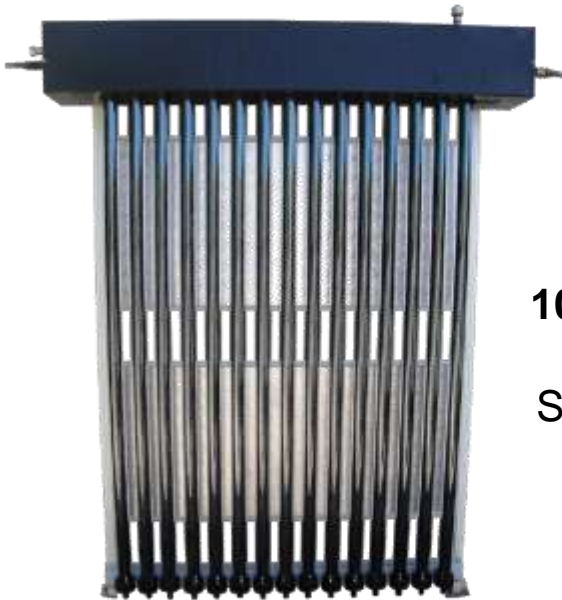
Yes, when configured as a HVAC system, the unit will provide heat in the winter.

Warranty



**SOLAR COOL**

Solar air conditioning  
the hotter it gets, the better it works



**Sedna Aire USA**  
**10-Year Parts and Components Warranty**

Solar Thermal Evacuated Tube Collector  
And High-Efficiency Air Conditioning  
and Heating Systems



Consumer product registration required for Sedna Aire USA warranty within 60-days of the installation. See current Warranty Terms and Conditions Registration Form for warranty details.



## What is a tax credit? A dollar for dollar reimbursement!

For more info visit: <http://www.azsolarcenter.org/economics/tax-breaks.html>

## How can I learn about tax incentive programs available?

For more information visit: [www.dsireusa.org](http://www.dsireusa.org)

## FPL Energy Efficient Rebate Programs

FPL offers an incentive for its customers to upgrade their AC units or heat pumps. The rebate amount varies per size of the system. Visit the FPL website at [http://www.fpl.com/residential/energy\\_saving/programs/ac\\_buying.shtml](http://www.fpl.com/residential/energy_saving/programs/ac_buying.shtml) for additional information.

## 2011 Federal Tax Credits for Solar & Energy Efficiency

Solar Federal Tax Credit is 30% of the total amount spent on the system and installation

## **Installment Preparation**

A preliminary walk thru is done to examine the current air-conditioning system and lay out. We will then answer any questions and provide an initial evaluation and cost assessment of installment.

## **On Site Installation Evaluation**

A Solar Cool licensed A/C installer will visit the site to do a full scale “Needs Analysis” to determine if there are any additional modifications that need to be addressed before final install occurs. Any additional fees if applicable will be communicated verbally and provided in writing.



## **Installation Process**

The addition of the panels being installed may add anywhere from 4 to 8 hours to the overall hvac installation, depending upon type of install application.

## Several *Panel Mounting Kit* options to ensure maximum efficiency

Standard Roof Mounting Systems



Custom Mounting Systems



Flat Roof Mounting System



Ground Mounting Systems



Pole Mounting Systems



## Photo Gallery of Installed Systems





## Photo Gallery of Installed Systems

