



# Go Thermal

**SOLAR WATER  
HEATING SYSTEMS**

We're always looking for way to make it easier and more cost effective for installers to embrace solar thermal.

Committed to promoting a world that is powered by sustainable energy, Solar Depot and DC Power Systems are working to make thermal energy a viable solution for both you and your customers. Adding thermal to PV can triple the efficiency of the system - harnessing the solar radiation otherwise lost as waste heat.



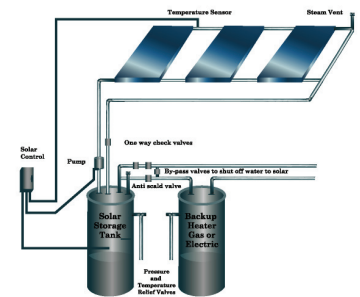
# ↘ Solar Water Heating

Solar water heating or Domestic Hot Water (DWH) systems use solar collectors to pre-heat the water coming into the homeowner's existing gas or electric water heater. DWH systems are most commonly used to heat water for swimming pools and basic household needs such as laundry, bathing, dish washing and cooking. The warmer the water from the solar heater, the less conventional fuel needed to provide the household's hot water needs.

- Can produce enough energy to offset 60-80% of energy costs for hot water production
- Currently eligible for the 30% Federal Tax Credit and various state rebates
- Typically require between 50-100 sq/ft of mounting area

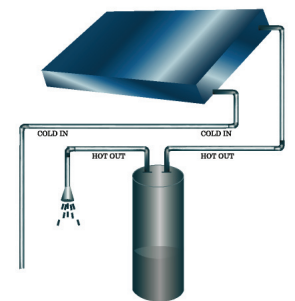
## ACTIVE SOLAR WATER HEATING SYSTEMS

Active solar systems have pumps, controls and solar collectors. They produce hot water temperatures between 120°-140°F for domestic use. Because these systems circulate water through the collectors, they are better suited for producing large volumes of hot water. These systems are generally used for larger homes, or for heating pools or spas.



## PASSIVE SOLAR WATER HEATING SYSTEMS

Passive solar systems have no pumps, controls, or moving parts. Passive systems operate on in-line water pressure to move the hot water from the panels to the storage tank and typically produce 60-80 gallons of hot water per day. The simple nature of these systems provides the most reliable and cost effective solution for smaller hot water loads.



## SOLAR POOL HEATING

Determining the cost of pool heating is very site-specific. A solar pool heating system has a typical payback period of 2-4 years. There are several factors that affect the savings realized with a solar pool heating system, including your cost for gas, and the temperature you wish to maintain in your pool. Below is a cost savings study from a pool in Santa Clara, CA performed by a local utility - with a savings of over \$4100 dollars!

### Gas Pool Heater

Initial Cost: \$2600

5-year Operating Cost: \$6000

Cost Over 5-years: \$8600

### Solar Pool Heater

Initial Cost: \$4500

5-year Operating Cost: \$0

Cost Over 5-years: \$4500



# To get started

Contact Your Sales Rep today  
at **800-967-6917**

[www.dcpower-systems.com](http://www.dcpower-systems.com)  
[www.solardepot.com](http://www.solardepot.com)

