

ST6400 Series



Flush Mounted Hot Water Collector (Rated 1.8KWh)



SOLARTECH TECHNOLOGIES LLC

Renewable Energy Engineering Consultants
Your First and Only Choice in Renewable Energy

THE ALTERNATIVE

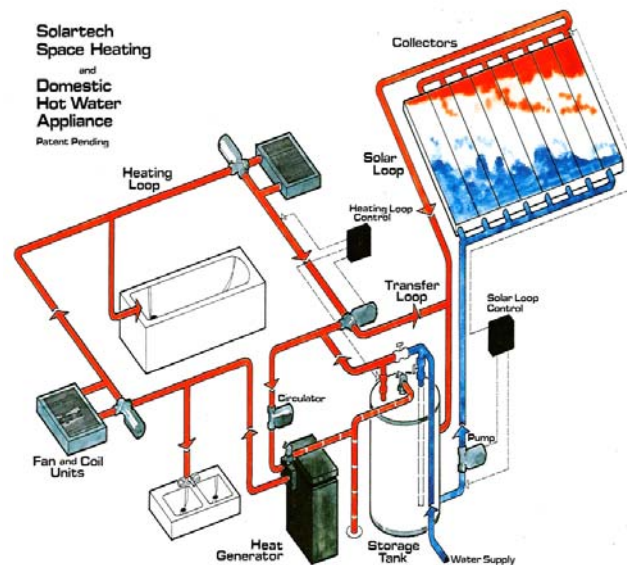
Rising prices of fossil fuels have forced consumers to look for efficient alternatives to their energy needs. Solartech Technologies provides consumers with alternatives that allow them to plan for the future and individually reduce their dependence on fossil fuels. Now you can protect your family and business from the uncertainty of future energy supplies and costs. Sunshine is inflation free.

ECONOMICS

With a properly designed solar system, you can save as much as 100% of your hot water utility bill. For instance, if your residence or business consumes 50 gallons of hot water a day, your natural gas bill could be as much as \$623 dollars a month. At that rate, you could have paid for a Solar Hot water system kit in 3 ½ months.*

THE SYSTEM

How can this solar system be used in your home or business? Solartech Panels utilize “Flat-plate” collectors, which collect sunlight much in the way an automobile collects heat with the windows rolled up. Water is circulated through the plate, permitting absorbed heat to be transferred to the water, which is then circulated to a storage tank. A control turns on the pump when the collector is hotter than the storage tank, and turns off the pump when the storage tank is hotter than the collectors. The hot water is then circulated through fan and coil units which blow air over the hot coils and into the duct system for space heat. Domestic hot water is also drawn directly from this circulating loop, providing instant hot water for a variety of household uses.



DESIGN AND ENGINEERING

The ST6400 solar collectors are manufactured locally by Sun Energy Systems. Sun Energy has been manufacturing, designing, and installing solar collectors for three decades. The ST6400 were designed, built, and installed by a mechanical engineer and hundreds of them are still in service today.

PANEL SPECIFICATIONS

Model ST6400

Dimensions (W x L x H) (ft)	Rated Output (KWh)	Rated Output (BTU/hr)	Operating Temperature (°F)	Light collecting surface (SF)	Net Weight (lbs)	Price (USD)
2 x 8 x ¾	1.8	6,400	140	32	90	\$1,999**

*Payout calculated with CPS ccf of Nat. gas (\$0.92/ccf; 1ccf=1,015BTU; to raise temp 65-120, use 22,935BTUs).

** Collector pricing is subject to material cost at the time of manufacturing.

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