



Solar Texas

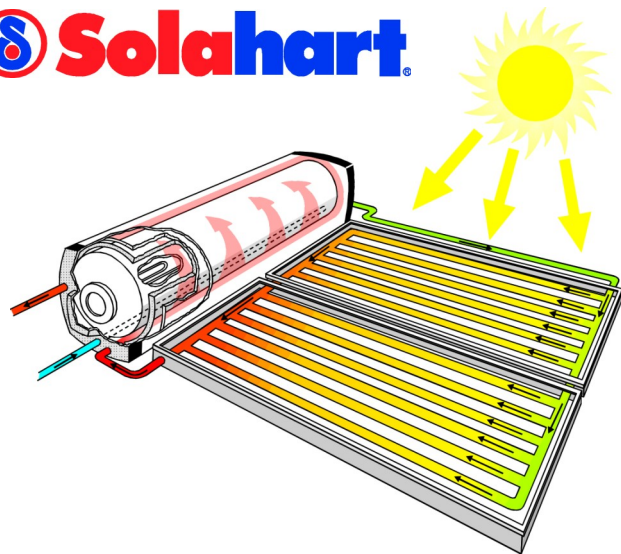
Water heated by the sun. It's simple, it works and it's free!



Solahart solar water heaters are passive systems. In a passive system, the natural Thermosiphon effect is utilized to transfer heat from the sun to the domestic water. Cooler fluid descends and warmer fluid rises. The warmer fluid heated by the sun rises in the collectors and then to a jacket around the water storage tank where it transfers its heat to the household water. As heat exchange fluid then cools, it descends again to the bottom of the collector to go through the entire process again in a continuous cycle while there is heat to be gained.

The process is self-sustaining and requires no electronics, pumps, temperature sensors or controllers. The water storage tank is also fitted with an electrical backup element for periods of high demand – a houseful of relatives or when weather conditions don't allow the sun to fully heat the water. It's easy to identify a passive system. The water storage tank has to be positioned above the collectors. How much hot water can be expected? Up to 95% of a household's hot water needs can be gained for free simply with the heat from the sun.

 **Solahart**



Solahart, a subsidiary of Rheem, manufactures several models of solar water heaters for a multitude of climates around the world. Solahart has been manufacturing solar water heaters in Australia for more than 60 years and is a renowned world leader in solar water heating technology. The J Free Heat model is the very latest model and is recommended for the Texas climate. It is available with 48 gallon, 80 gallon and 116 gallon capacities. Solar Texas is a San Antonio-based company specializing in solar water heaters, solar pool heaters, solar attic ventilation fans, skylights and sun tunnels.

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