



Solar Hot Water Heater

Australians count themselves lucky to live in a country that's seldom short on sunshine. In addition to the al fresco lifestyle the climate supports, it also means the sun's heat is a viable source of free solar power.

Are you eager to reduce your household energy bills and your carbon footprint at the same time? Yes, a Solahart solar hot water heater can help you to achieve both goals. Our tried and tested thermosiphon, split system and heat pumps can help you make significant savings, as well as assist the environment.

Research indicates that the average Australian household's energy bill includes 25% towards water heating when you rely exclusively on electricity or gas. However, make the switch to a solar hot water system and you could soon use a third less energy, and enjoy savings of 50-90% dependant on your location and chosen model.

If your home layout means ground space is of a premium, our thermosiphon roof-mounted (<http://www.solahart.com.au/products/thermosiphon-roof-mounted-systems.aspx>) systems are energy efficient as well as out of the way. Both the solar panels and storage tank are affixed to the north-facing section of your roof. The panels are coated in a heat-absorbent substance to draw solar energy, which in turn heats the fluid contained within. As the heated liquid rises it is transferred to the adjacent tank, making way for cooler fluid at the panel's base.

If you would rather a ground-level storage tank, Solahart manufactures many excellent streamline split systems (<http://www.solahart.com.au/products/streamline-split-system.aspx>). The roof-mounted solar collectors are equator facing, while the storage tank can be kept either indoors or outside. Water is circulated using an electric pump to ensure a continuous flow.

If your roof is often shaded, a heat pump (<http://www.solahart.com.au/products/heat-pump.aspx>) acts by extracting energy from air. Ambient warmth converts refrigerant into a gas. The gas is then compressed to generate further heat which, in turn, raises the temperature of the tank water.

To learn more about the best water system for your home, contact your local Solahart Expert (<http://www.solahart.com.au/u/want-to-be-a-dealer/dealer-locator.aspx>) and schedule a free solar assessment.