



Hot Water Free from the Sun®

How Solar Water Heating Works

Solar water heating is a very efficient process which captures the heat directly from the sun. Collectors installed on your roof use a dark surface to trap the sun's heat and transfer it to the fluid circulating inside. Water is stored in an insulated tank for future use. Every Solahart system also includes a gas or electric booster to ensure you have hot water even on cold and cloudy days.

The Solahart Range

Solahart has developed a range of models to suit every climate zone in Australia.

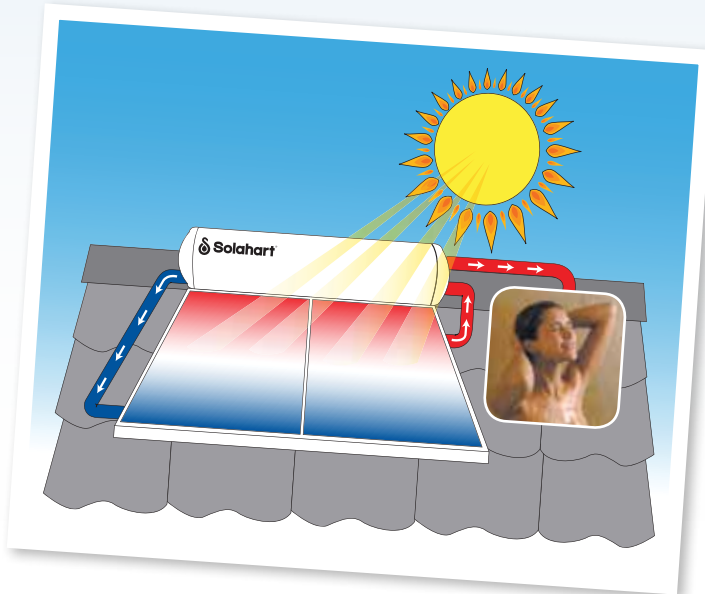
Roof Mounted Thermosiphon Systems

The Solahart range of thermosiphon systems feature roof mounted solar collectors closely coupled to a storage tank. As the fluid is heated by the sun, it rises to the top of the collector and into the tank or heat exchanger where it displaces cooler fluid. This system is both reliable and low maintenance, as it does not require a pump to circulate fluid around the system. The thermosiphon system is ideal for those who need to save space at ground level.



Solahart Split Systems

Our Solahart split systems combine slim roof mounted collectors with a tank that can be installed discreetly on the ground for minimum visual impact. Split systems use an electric pump to circulate fluid from the tank through the collectors to harness the sun's energy.



“Solar water heating is so good for the environment that it attracts government incentives”

Incentives and rebates

Solar water heating is so good for the environment that there are incentives and rebates to help you make the switch.

Small-scale Technology Certificates (STCs)

Solahart water heaters qualify for STCs. The number of STCs varies for each system depending on your location, the type of booster and the size of your system.

State and Local Government Rebates

Some state and local governments offer additional rebates to encourage home owners to switch to solar water heating.

For full details on available rebates for your situation ask your local Solahart expert or visit www.solahart.com.au/rebates.

Electricity Free from the Sun

How Solar Power Works

In contrast to solar water heating, solar power panels generate electricity from sunlight. The panels produce DC current which is fed through an inverter and converted to 240V AC electricity to power your home. The amount of electricity depends on the number of panels and the size of the inverter. Your home remains connected to the power grid and when you are not generating your own electricity you can still purchase power but now you can feed your excess back into the grid for others to use.

Solahart Solar Power Systems

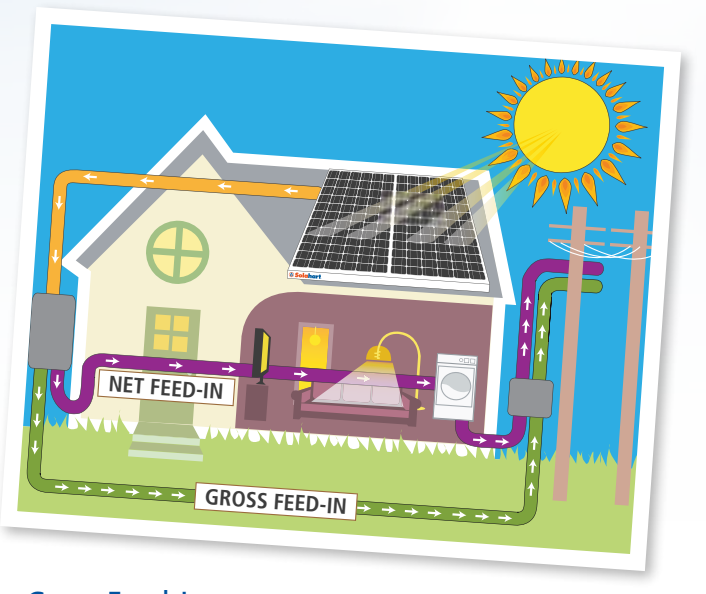
Solahart solar power systems use panels with crystalline cells, individually tested to ensure consistent power output.

The state of the art inverter converts the power from Direct Current (DC) to Alternating Current (AC) and maximises the power output of the solar panels under varying conditions.

Feed-in Tariffs

Various state governments and electricity providers offer feed-in tariffs, to provide a further financial incentive to switch to solar power.

There are two common types of tariffs:



Gross Feed-In

In this system your energy provider purchases all the electricity you generate, while you continue to buy what you need to power your home.

Net Feed-In

With a net feed-in system you first use the electricity you generate, and any excess electricity you generate is sold back to your electricity provider.

For both tariffs, you can purchase electricity when you are not generating it (at night for example).

Incentives and Rebates

There are still incentives to encourage homeowners to convert to solar power.

Small-scale Technology Certificates (STCs)

Every Solahart power system qualifies for STCs. The number of STCs varies depending on the size of the system installed and your location, with the most STCs being available for our 5 kW system.

Solar Credits Scheme

Under the Solar Credits scheme you get more STCs for the first 1.5kW of the system capacity. That can reduce the initial cost of a system significantly.

Your local Solahart expert will be able to advise you about the feed-in tariffs in your area and incentives available.



Two Great Ways to Save

Switching on to the sun, the world's most natural energy source, is a great way to beat rising energy costs. By combining solar water heating and solar power you can further increase the benefits and maximise your savings.

STEP
1

Solar Water Heating

Solar water heating is the first step. It's the most effective solar technology and takes just two collectors to provide most homes' hot water needs.

Given 25% of the average household's energy is used for water heating, getting your hot water free from the sun can reduce your energy consumption.

With a Solahart water heater you'll enjoy:

- Beating rising energy costs
- Saving up to 50% to 90%* of your hot water energy use
- Generous government incentives
- Reduced greenhouse gas emissions by up to 3.6 tonnes*

* Energy savings of up to 50% to 90% and greenhouse gas emissions shown are based on Australian Government approved TRNSYS simulation modelling. Savings and incentives will vary depending upon your location, type of Solahart system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.



STEP
2

Solar Power

Switching on to solar power is the next step. Solar panels on your roof convert the light from the sun into electricity, which can be sold back to the grid through a feed in tariff offsetting your domestic electricity costs. The more panels you install the more electricity you'll generate.

With a Solahart Solar power system you'll enjoy:

- Lower energy bills
- Government incentives
- Further reductions in your greenhouse gas emissions

"Switch on to the world's most natural energy source - the sun"



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Solahart Australia's leading solar company



Solahart was one of the first companies in the world to recognise the value of the sun's free energy. We pioneered solar water heating in Australia in 1953. Today we have installed over 1 million systems in over 70 countries and have become a world leader in the field of solar energy.

Our Warranties

You know if you purchase from Solahart you are dealing with a company that has been around for almost 60 years, giving you peace of mind. For more information about our Solahart warranties refer to our Frequently Asked Questions sheet or ask your local Solahart dealer.



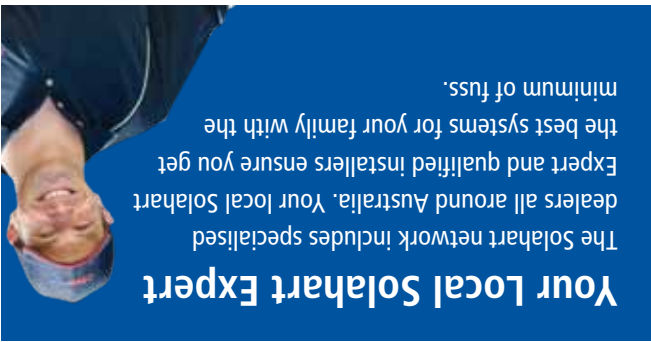
"Solahart - a world leader in the field of solar energy"



TWO GREAT WAYS TO SAVE WITH ENERGY FREE FROM THE SUN™



www.solahart.com.au



Your Local Solahart Expert
The Solahart network includes specialised dealers all around Australia. Your local Solahart expert and qualified installers ensure you get the best systems for your family with the minimum of fuss.

Call your local
Solahart Expert
1300 769 475