ureco

solar hot water systems

- ✓ *cost effective*
- ✓ *super efficient*
- ✓ *environmentally friendly*
- ✓ *WA owned & run*

ureco®

your one stop solar hot water solution shop

why ureco® ?

We understand every home is different.
Every family unique.

SEA
SUSTAINABLE ENERGY ASSOCIATION OF AUSTRALIA
MEMBER

Australian Standard
APPROVED
AS2712 Solar &
Heat Pump
Water Heaters

DESIGNED AUSTRALIAN
FOR AUSTRALIANS

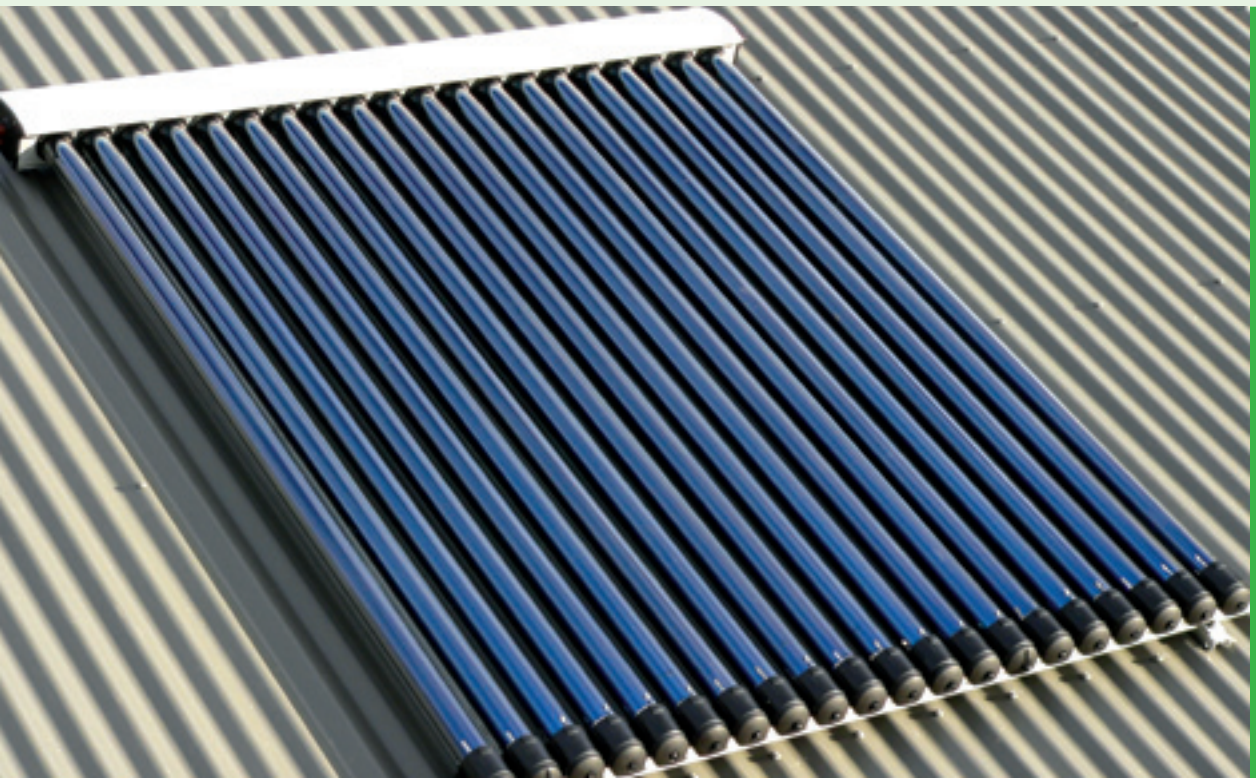
We have chosen the best systems from a large variety of brands to offer you a selection of solar hot water heaters perfectly matched to your **individual needs**. These are supplied with the **highest standard** of fittings, valves and insulation on the market, all of which is fitted by approved and qualified installers.

The result? A solar hot water system that gives you **lasting savings**!

- ✓ *WA owned and operated*
- ✓ *Attention to detail and service*

All systems use the highest quality materials that comply to the rigorous Australian Standard AS2712 assuring exceptional performance and longer operational life than standard hot water systems. All these systems and customers are eligible to generate a Government Incentive called Small-scale Technology Certificates (STCs, formerly known as RECs) that assist with the up front cost towards going Solar. There are other Rebates also available depending on products and eligibility criteria.

To help you get started with the rebate process or to discuss your key requirements call us on 1300 287 326



You can obtain as much as

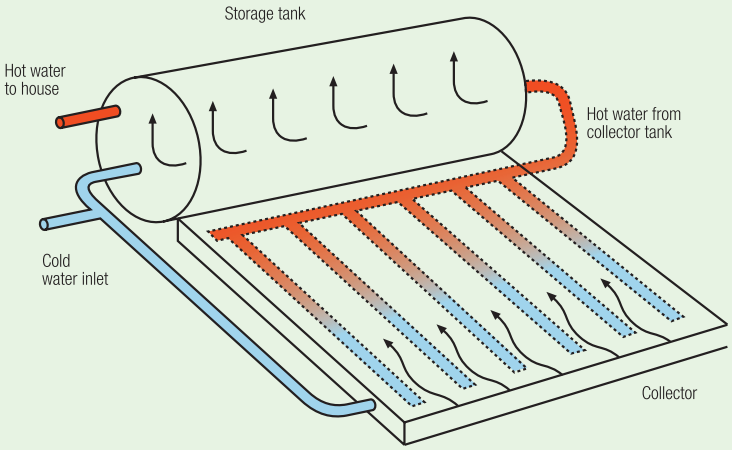
90%

of your hot water requirements for free!

ureco® systems

Contrary to most advertisements there are many ways to achieve solar hot water performance. Different systems suit different requirements.

Thermosyphon Flat Plate

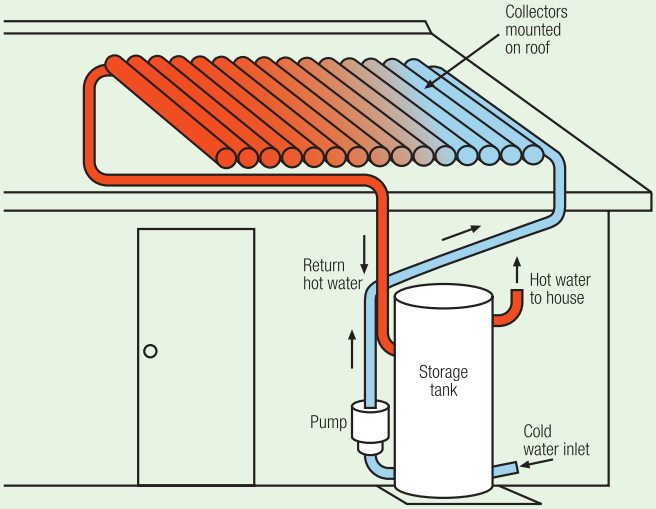


This familiar and simple design takes advantage of the natural heat given off by the sun, absorbed and captured by a flat metal surface that is close coupled to an on-roof tank unit.

In the standard open circuit model, water is circulated through the system using the principal of heat convection. Hot water rises up through the collectors into the tank and is replaced by cooler water in a continuous cycle.

Having no moving parts means low maintenance costs. However, it is essential that the roof structure is assessed to ensure it can support the weight of the system.

Split System Vacuum Tube



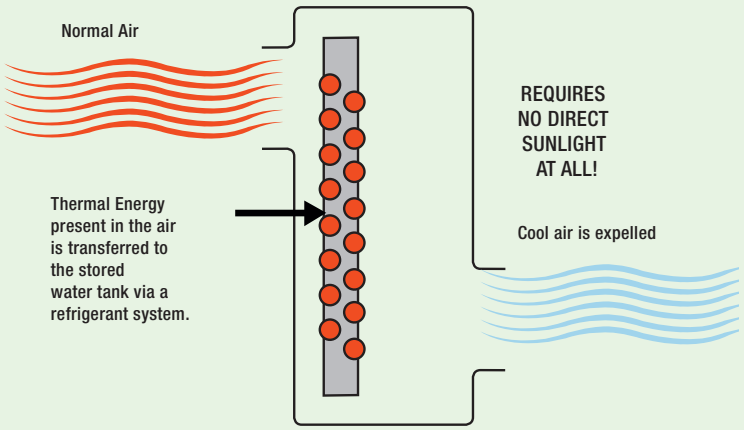
This new generation of roof top solar thermal technology improves heating performance in winter.

The tank is positioned at ground level where it can more easily benefit from a mains water pressure system. The lower profile of the collector on the roof maintains your home's aesthetics. A circulation pump moves water up to the collector and is regulated by a digital controller to maximise its efficiency and performance.

The tubes within the collector array absorb the sun's energy and transfer the heat to the central core or 'heat pipe'. The heat rises to the top manifold where it is transferred to the water.

Just like a Thermos flask, heat loss is significantly reduced by a vacuum that surrounds each of the tubes. It is this configuration that provides enhanced frost protection, greater heating potential in low light conditions and improved output on windy or cold days.

Heat Pumps



Don't have north facing roof space available? Not a problem. Heat pumps are an amazing new way to heat your water with nothing but the ambient air temperature.

The technology transfers thermal energy stored in the air to your water using environmentally friendly refrigerants. The process works in temperatures down to -10C and will operate effectively 24/7, 365 days a year without any costly boosting!

Generally in winter your hot water requirements increase to the point where a solar system requires assistance from an energy hungry electrical or gas booster. But not with this super efficient system! Heat pump running costs stay equivalent to conventional solar when averaged out across the year.

Water temperature is digitally monitored and controlled to ensure optimum energy efficiency and a consistent temperature all year round.

ureco products:

- ✓ *increase efficiency*
- ✓ *save you money*
- ✓ *help protect the environment*

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selecting the right ureco® tank for you

Tanks come in a range of sizes designed to suit different houses and household requirements. Solar system tanks have a larger storage capacity than conventional hot water systems. They also have **thicker insulation** ensuring complete compliance with the stringent Australian Standards for Solar Hot Water Systems.

There are two types of material used in the manufacture of solar tanks; Vitreous Enamel & Stainless Steel. Keep reading for a few points and tips that will help you to select the right type of tank for your home.

Vitreous Enamel

Also known as glass lined tanks. They are solar rated and generally use a much thicker vitreous enamel lining than the standard main's pressure hot water heater. This helps with the much higher solar temperatures experienced from the return line. Vitreous Enamel tanks are built to withstand very high pressures and water temperatures from hot to boiling.

To protect the glass (enamel) lining an anode is placed down the centre of the tank. Called a 'Sacrificial Anode' it helps prevent corrosion and premature failure of the tank. The anode generally requires replacement every 5 years with a cost between $180 - $300 depending on type and accessibility. The anode type varies according to the quality of the water being stored. A magnesium anode is standard but aluminium versions are also used for areas with high Total Dissolvable Solids (TDS).

These tanks generally come with a 5 year warranty.

Stainless Steel

Australian made SS tanks come with a 10 – 15 year warranty. Although they have a slightly higher cost than a glass lined version, between $300 - $600 more, they do not require an anode and have significantly lower maintenance costs.

Although perfectly suited to most areas SS tanks are best used when water quality is good to high. In areas with lower water quality the impurities can eat away at the silver contained in the tank's seam welds. This can lead to pinhole leaking and eventual failure. While SS tanks come with a longer standard warranty many manufacturers will not honour the warranty if the TDS of the water is above 600ppm (parts per million).

Need your water quality tested? Call us now on 1300 287 326

your one stop solar hot water solution shop

ureco hot water systems

pay for themselves!

Your local ureco retailer is:

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