

# The longest-lasting solar hot water system gives you the lowest lifetime cost

## The Solartech Genius



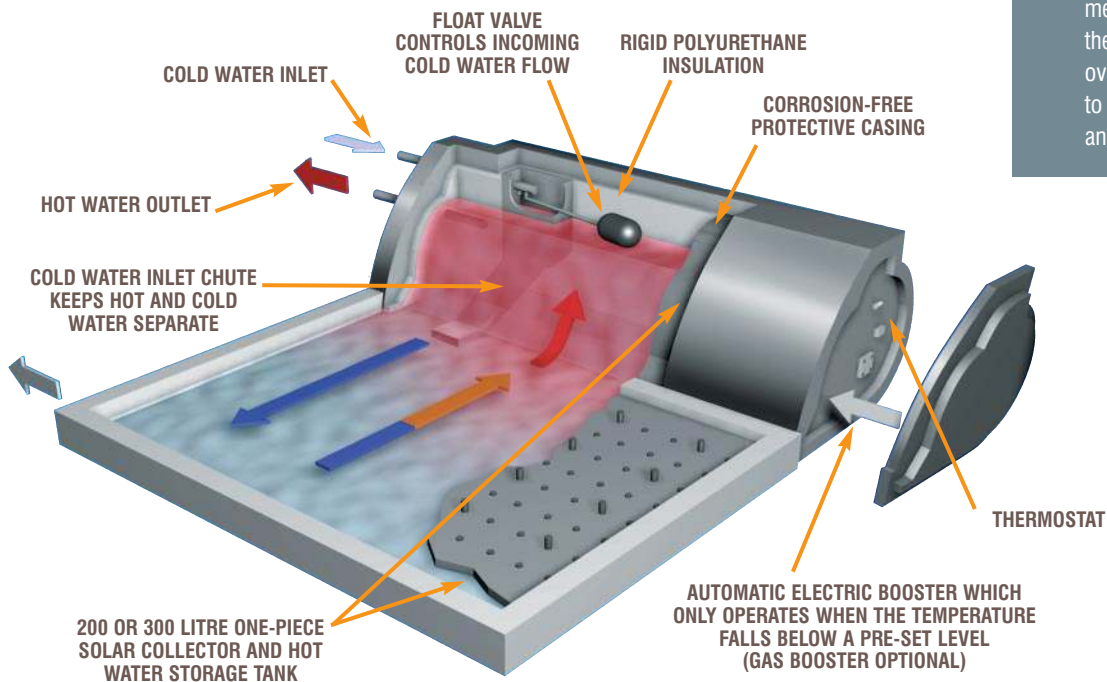
- Lifetime warranty against rust and corrosion
- Unaffected by poor water quality, high temperatures, frost or ice
- Saves up to 80% of your hot water heating bill every year
- Qualifies for significant government incentives
- Can be colour-matched to your roof
- Water saving options

  
**SOLCO**  
*Everything under the sun*

# Installing a Solartech Genius is the Smartest Move You'll Ever Make

**What makes the Solartech Genius unique?**

The one-piece collector and storage tank is made from a high technology rotationally-moulded, UV stabilised polyethylene. This method and material of manufacture give the Solartech Genius definite advantages over metal based systems and allow us to boast a lifetime guarantee against rust and corrosion.



## The Differences

Solartech Genius	The Others
<p>Made from UV resistant polymer materials which will never rust or corrode. These materials will last longer than metal systems.</p>	<p>Whether marine grade stainless or mild steel they will eventually corrode. To extend their life some have sacrificial anodes which must be regularly replaced or your warranty is void.</p> <p>The residue from the decaying anode goes into your water and may contain heavy metals.</p>
<p>Not affected by hard or calcified water supplies. Many locations in Australia already have hard or mineralised water which have no effect on the Solartech Genius. Many areas of Australia will possibly develop harder water conditions in the future.</p>	<p>Hard water not only corrodes metals but calcites bond chemically with steel and eventually clog pipes, requiring replacement.</p> <p>All metal systems have restrictive warranties relating to water quality.</p>
<p>100% freeze-proof with no need for additives. When water freezes it expands by approximately 4% and bursts steel or copper pipes. The Solartech Genius one piece fully flooded bladder can expand so it can be frozen with no adverse affect. Most areas in Australia get some frost – one bad night can destroy a standard metal system and there is no warranty if it's not frost protected.</p>	<p>Frost protection in metal systems usually relies on the addition of radiator type inhibitor to the heating jacket.</p> <p>Should the jacket leak owing to failure, the glycol can leak causing corrosion in the jacket and contamination of your water supply if your gutters are connected to a tank.</p>
<p>To save valuable water resources and to meet new legislation the Solartech Genius is naturally designed to use less water than high pressure units.</p> <p>Designed to comply with new legislation restricting water usage in showers to nine litres per minute.</p>	<p>High pressure metal systems can boil and some can waste up to 300 Litres per day through relief valves. They also require restrictors at the shower to comply with new legislation.</p>



## Generous Incentives and Rebates

Currently there are a variety of Federal and State government incentives and rebates available to reduce the real cost of solar hot water systems. A qualifying new home buyer can buy a Solartech Genius for around the same cost as a gas or electric system and enjoy years of free hot water. Existing home owners who replace an electric unit can also benefit from these savings and help the environment at the same time.

Your Solartech distributor can advise you exactly what you are entitled to and will assist you with the paperwork.

## Your Questions Answered

### Why is the Solartech Genius the longest-lasting solar hot water system?

As explained elsewhere in this brochure, the use of polyethylene as the only material in contact with the water means the unit can never rust. It can also expand and contract so it's impervious to extremes of heat and cold. And being moulded into a single piece, there are no joints to leak. All this adds up to an expected life of around 20 years – much longer than any other hot water system, whether solar or traditionally heated.

### How much boosting is required?

In most areas of Australia, all solar hot water heaters will need boosting on overcast or rainy days, or during times of high water use. However, because both the solar unit and the electric element supplied standard with a Solartech Genius are very efficient, the cost is minimal. The Solartech Genius can also be boosted by wood fire or gas if required.

### How environmentally-friendly is the Solartech Genius?

Replacing an electric storage unit with a Solartech Genius will save between 3.0 and 4.5 tonnes of greenhouse gas production a year. In addition, polyethylene is a fully recyclable material, so most of the unit can be recycled at the end of its useful life.

### Is there a choice of colours?

Stainless steel units can look ugly on your roof, especially if they need to face the road. The Solartech Genius can be rotationally moulded in a variety of colours to match most colourbond or tile roofs.

## Choose the Solartech Genius that is Right for You

The Solartech Genius comes in 200 litre and 300 litre models, with a variety of water saving options. The 200 litre model is recommended for a small family of two to three people. The 300 Litre will deliver ample hot water for a large family.

### Solartech Genius Gravity Feed

A low pressure gravity feed unit that will provide significant water savings to the household at a flow rate of 6-9 litres per minute\*.

### Solartech Genius Water Saver

Provides some of the water saving features of the basic Gravity Feed model but delivers flow at increased rates of approximately 9-12 litres per minute\*.

### Solartech Genius Pressure System

For the customer who requires the equivalent of mains pressure hot water, supplying flow rates of up to 25 litres per minute\*.

\*Flow rates are an indication only and will depend on installation circumstances. You should consult your plumber or local distributor to ensure that you select a model compatible with your existing pipe work and expectations of flow.

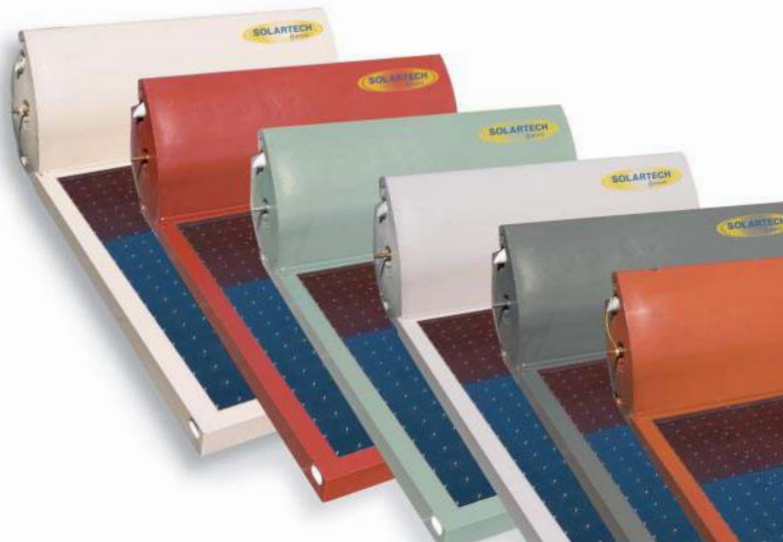
### What do you mean by the 'lowest lifetime cost'?

Your Solartech Genius can last two- or three-times as long as other water heaters, many of which cost the same or even more to buy. This makes it much better value.

In addition, there are only two plumbing fittings to connect, so it is easier and cheaper to install than other systems.

Finally, because the Solartech Genius uses a fully-flooded collector, it heats more water and maintains the heat longer, reducing the need to boost heating with electricity or other means. In most parts of Australia, the Solartech Genius will provide 80% of your hot water free. That can mean a saving of between 35 and 45% of your total electricity bill.

All this adds up to the lowest lifetime cost for you – over the life of the product the Solartech Genius will cost you much less than any other commercially available water heater. With substantial government rebates available, there has never been a better time to start saving money by installing a Solartech Genius hot water system.





## About Solco

Solco Limited has been providing sustainable power and water solutions to Australia and the world since 1988. We are listed on the Australian Stock Exchange and are Australia's leading sustainable solar and water products company.

### The Solco Guarantee

We guarantee our products and we'll be here to honour that guarantee. Because the Solartech Genius is made from UV-stabilised polyethylene, we give a comprehensive 100% lifetime guarantee against rust and corrosion. Regardless of your water conditions, your Solartech Genius will never rust. That's what makes the Solartech Genius the longest-lasting solar hot water system on the market. And the longest-lasting product gives you the lowest lifetime cost.

### Designed for Australian Conditions

Our products are simple, strong and require little or no maintenance. They are unaffected by harsh Australian conditions. Our Australian-based design engineers are continually developing new products and enhancing existing ones.

### Committed to Service

The Australia-wide Solco dealer network provides you with exemplary product knowledge, installation and after-sales service, while our 1800 Helpline and comprehensive website can be accessed for further information.

## Specifications

	200 Litre	300 Litre
WEIGHT - EMPTY	85Kg	105Kg
WEIGHT - FULL	285Kg	405Kg
LENGTH	1800mm	2500mm
WIDTH	1450mm	1650mm
TANK HEIGHT	600mm	700mm
BOOSTER ELEMENT	2.4kW Incaloy 3.6kW (Optional)	2.4kW Incaloy 3.6kW (Optional)
INLET SIZE	1/2" (15mm)	1/2" (15mm)
OUTLET SIZE	3/4" (20mm)	3/4" (20mm)
COMPLYING STANDARDS	AS3498-2003 (Watermark) AS2712-2002 AS4234-1994	AS3498-2003 (Watermark) AS2712-2002 AS4234-1994



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