

Soak in the sunshine



Chromagen Solar Hot Water Systems

Soak in the sunshine, and SAVE with solar hot water from Chromagen



USES AROUND
**80%
LESS
ENERGY**

With a solar hot water system from Chromagen, you can literally soak in the warmth of the sun whilst reducing your water heating bills. These highly efficient water heaters use the sun's unlimited and free energy to pre-heat water, using around 80% less purchased energy than conventional hot water systems.

Efficient living with Chromagen

Chromagen Pty Ltd is a proudly Australian owned and operated company with a mission to provide sustainable environmental solutions for Australian consumers.

Founded in 1962, the Chromagen brand is now a major international player in thermal solar technology. Their world-class solar hot water systems are sold to over 35 countries and are recognised across the globe for their high quality, reliability and durability.

Today Chromagen Pty Ltd distributes a wide range of residential and commercial solar and energy solutions, including the renowned solar hot water systems. In Australia, Chromagen has a nation-wide presence with a network of offices, dealers and service agents across the country, so you can count on local experience, solutions and service.



Reliable solar-heated water, on tap

Hot water is a basic household need and there are few things more soothing than soaking in a warm shower or bath. There are, however, few things more frustrating than running out of hot water just when you want it, but with a Chromagen solar hot water system, reliable, environmentally-friendly hot water is on tap.

The solar advantage:

- Solar pre-heated water significantly reduces power consumption & power bills
- Improves the energy efficiency of your home
- Reduces emissions of harmful greenhouse gases
- Provides a reliable supply of hot water in any weather or time of day

Did you know?

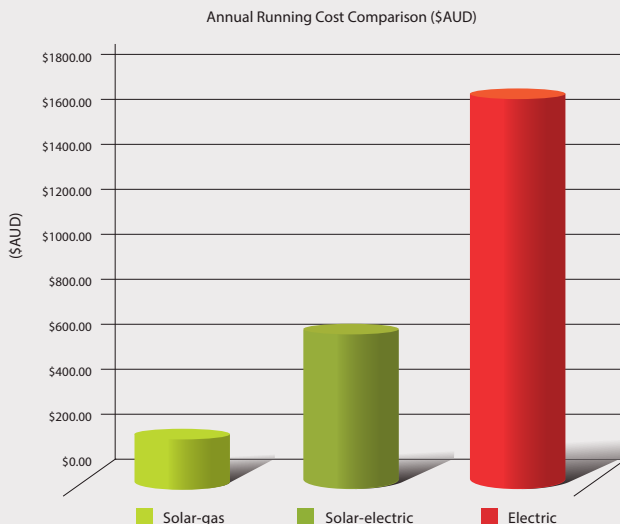
Water heating accounts for around **25%** of the energy use and greenhouse gas emissions in the average Australian home?

Energy efficiency

Old energy-hungry electric hot water heaters are very expensive to run and are a huge contributor to household energy consumption, but with solar hot water you could save over \$1000* per year!

You save so much because most of the heating comes FREE from the abundant Australian sunshine and less electricity or gas is required. When you use the sun to heat your water, you are not only saving money today, you are also reducing your carbon footprint, for a cleaner environment tomorrow.

YOU COULD
SAVE OVER **\$1000*** PER YEAR!



**Based on a daily hot water demand of 300 litres, an electricity cost of \$0.30/kWhr, gas cost of \$0.02/MJ and on installation in Zone 3. Excludes water costs.*



Our range

SplitLine

SmartLine

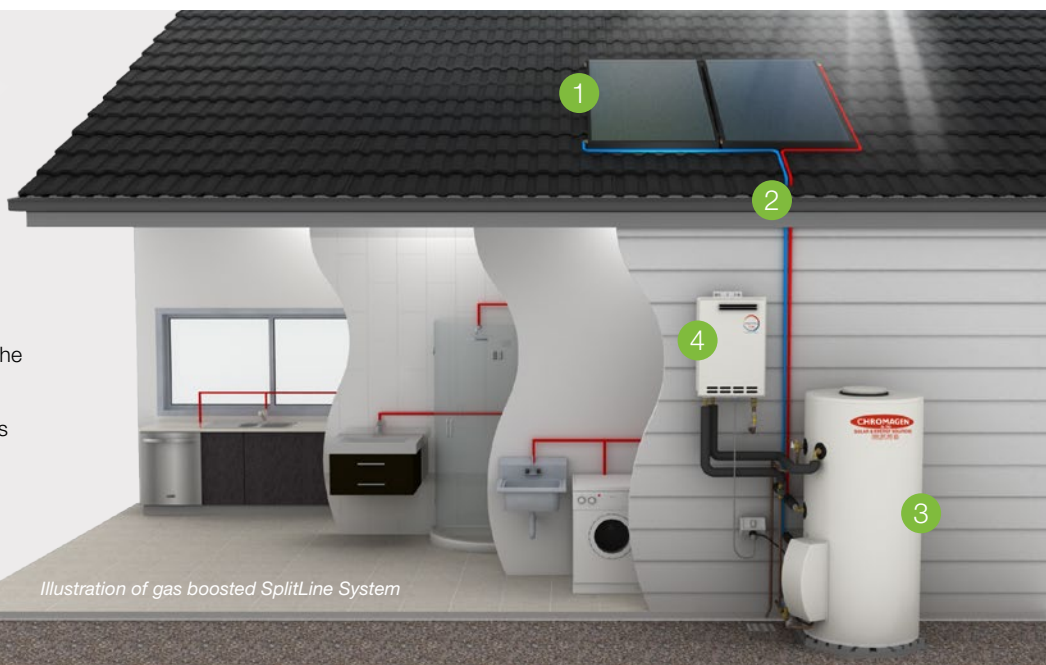
Pumped (Split) Systems consist of a separated configuration of a ground mounted tank and roof mounted thermal collectors.

Available with the option of back-up electric or a 6 Star continuous flow gas water heater such as the cleverly designed SmartLine configuration with an integrated & pre-fitted gas water heater and pump station for simpler installation. Pumped systems also have the option of flat plate or evacuated tube thermal collectors.

Thermosiphon systems are a traditional close-coupled combination of roof mounted solar collectors and a storage tank. They are highly efficient systems which use natural thermal convection to circulate hot water from collector up to the tank, without the need for electric powered pumps and are ideal for installations where there is limited available ground space.

These systems are available with the option of back-up electric power or a 6 Star continuous flow gas water heater and the option of a closed loop tank for frost-prone areas or 'hard' water conditions.

1. Roof-mounted thermal collectors harness the FREE heat energy from the sun
2. Water from the tank is circulated through the roof-mounted collectors and is heated
3. The heated water returns to the tank and is stored for later use
4. At night or cold days an electric or gas booster assists in reaching the desired water temperature



The highly energy efficient range of Chromagen solar hot water systems qualify to generate Small-scale technology certificates (STCs) under the Federal Government Renewable Energy Target (RET) scheme. Australian consumers can therefore assign these certificates to their Chromagen dealer to reduce the up front cost of their system.

In addition, there are other renewable energy rebates, subsidies and grants available in each state. If you qualify for one of these, it may further reduce the installation cost, making the switch to a Chromagen solar hot water system even more affordable.

Solar Hot Water Components & Features



Flat plate collectors:

- Collector panels are constructed using robust steel frames & high quality coatings for best performance in harsh conditions
- Ultrasonically welded tubes & plates for a stronger bond & superior heat transfer properties
- Quality brass fittings ensure leak-free service

Domestic warranty – 5 Years



Evacuated tube collectors:

- Ideal for cold climates & 'hard water' conditions
- Vacuum within glass tubes ensure maximum heat retention in all climates
- Ultra-selective coating provides effective and efficient thermal absorption
- Large bore header pipe ensures reliability in hard water conditions

Domestic warranty – 5 Years



Advanced water storage:

- Glass-lined tanks provide superior corrosion resistance in even the harshest water
- High density pressure-injected PU foam for optimum insulation & heat retention
- 3mm thick steel tank provides high tensile strength
- Closed loop systems available for frost and hard water conditions

Domestic warranty – 5 Years



Eternity continuous flow gas water heaters:

- High 6 Star energy rating
- Advanced Japanese design & engineering
- 20 & 26 lpm models
- Frost protection
- Natural Gas or Propane / LPG models

Domestic warranty – 10 year heat exchanger / 3 years parts & labour




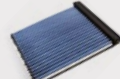


Solar controller & pumps:

- Clever solar controller provides reliable management of water heating for most efficient operation
- Solar controller features in-built frost protection for operation in cold climates
- Quality Grundfos circulation pump provides efficient & dependable service (on SmartLine and SplitLine systems only)

Domestic warranty – 1 Year

Product Configurations & Options



System Type	Smartline	SplitLine			RoofLine		
Tank Capacity (L)	170 / 200	200	300	400	200	300	300 Long
 Flat Plate Collector	1 - 2 Panels	1 - 2 Panels	2 - 3 Panels	2 - 3 Panels	1 Panel	1 - 2 Panels	2 Panels
 Evacuated Tube		20 Tubes	30 Tubes	40 Tubes			
 Electric Boost			•	•		•	•
 6 Star Gas Boost	Integrated Gas	•	•	•	•	•	•
Closed Loop		•	•				•
Frost Protection Available (Optional Extra)	•	•	•	•	•	•	•



Why choose Chromagen?

- International leaders in thermal solar energy systems since 1962
- Chromagen Pty Ltd is Australian owned and operated
- National sales & service network
- Our systems are built tough with the highest quality materials for Australia's harsh conditions
- Tanks & collectors manufactured to ISO 9001 international quality standards & ISO 14001 international environmental standards
- Our highly efficient systems attract some of the highest STCs & rebates available

When choosing a Chromagen solar hot water system, consider the following:

- Is your area subject to frost or is your water 'hard' (high in Calcium). If Yes, consider closed loop systems or systems with evacuated tube collectors
- Do you have gas energy available? If yes, select gas backup. If not, select electric backup
- Which type of installation is most suitable for your home? Roof-mounted or Ground-mounted storage tank?
- Does your available roof space get sufficient sunlight? This will determine the number of collectors you may require

Other efficient living products from Chromagen:

Eternity Continuous Flow Gas Water Heater | Midea Heat Pump Water Heaters | Solar Power Systems | LED Lighting



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VICTORIA | QUEENSLAND | WESTERN AUSTRALIA | SOUTH AUSTRALIA | NEW SOUTH WALES | NORTHERN TERRITORY

This revision supersedes all previous versions. All details in this document are accurate at time of publishing. Product specifications may change without notice. For the latest product details and specifications, please visit our website - www.chromagen.com.au