Save With Solar Energy

Saving hundreds of dollars on your household energy bills every year while helping to save the environment makes good sense
Your hip-pocket will thank you… the government will thank you… and your children and grandchildren will thank you.

Chromagen solar hot water systems use the sun's unlimited free energy to provide up to 90% of your hot water.

When these savings are combined with the State and Federal Government incentives, a solar hot water system is the obvious economical choice.

Global Leader

Chromagen is a global leader in the solar industry. Founded in 1962, we have perfected the art of harnessing the sun's energy and putting it to work for you.

Our state-of-the-art solar hot water systems can be found in over 40 countries worldwide, with over a million happy customers enjoying bucket-loads of hot water free from the sun.

Our philosophy is simple – We want to provide the world with loads of hot water without depleting Mother Earth's natural resources.

Now In Australia

Chromagen Pty Ltd is 100% Australian owned and our staff members are dedicated experts in the solar energy field. We are committed to providing our customers with high quality products and after-sales service.

Quality Assurance

We regard quality as being critical to our success. Chromagen's manufacturing facility is ISO9001 Quality Endorsed and our wide range of solar hot water systems complies with a multitude of international Quality Standards as well as Australian Standard AS2712. That is why we can offer you peace-of-mind warranties ranging between 7-12 years.

Our Products

Our products are so efficient they attract some of the highest government incentives designed to encourage Australians to change the way they heat their water - by going solar.

What this means for you is that in effect, the government is indirectly paying for the solar components and all you have to pay is roughly the same as you would for an electric or gas guzzling conventional water heater.

The government wants you to switch to solar for environmental reasons. The big benefit for you is that you also enjoy ongoing savings of hundreds of dollars a year compared with the costs of installing and running an old technology water heater, especially electric hot water systems. Solar is the way to go.

CHROMAGEN
Est. 1962
solar & energy solutions

Large Scale Commercial Systems

Commercial Solar Systems

You can benefit from Chromagen's years of experience in designing, supplying and installing large scale commercial hot water systems around the globe.

Chromagen has developed a range of models and configurations to satisfy a variety of conditions, or we can design a system tailored to your specific situation, which will enable the installation of an environmentally friendly, cost efficient commercial solar system to meet your hot water needs.

Typically, our large scale commercial solar systems incorporate a series of solar collector panels supplying heated water to existing or new hot water storage tanks which are then backed up by electric or gas boosting.

Commercial Gas Systems

In the design of our commercial gas hot water systems, we employ our Eternity range of high efficiency continuous flow modular gas systems which are manifolded together to suit an infinite variety of commercial situations. Depending on your requirements, these systems can be stand-alone gas systems, or incorporated into our SUMO range of models, or used to supplement our commercial solar systems. The possibilities are endless.

Our large scale commercial systems are suitable for any type of commercial situation including, for example, hospitals, nursing homes, sporting clubs, hotels and motels, caravan parks, aged care facilities, hostels, commercial kitchens and laundries, child care facilities, high rise buildings, etc. In fact, no job is too large or too small.

If you want more detailed information about our large scale commercial Systems, please ask for our separate commercial brochure.

eternity GAS HOT WATER

THE MORE YOU USE THE MORE ENERGY EFFICIENT
ENERGY RATING

WaterMark

Gas Safety Certified

Certified Product Australian Standard AS/NZS 2712 Lic. SMK02705

VIC (head office) 90-92 Woodlands Drive, Braeside VIC 3195	T: +61 3 8587 1500	F: +61 3 9587 9111
QLD 2/60-62 Commercial Drive, Shailer Park QLD 4128	T: +61 7 3806 3016	F: +61 7 3806 3018
WA 108 Radium Street, Welshpool WA 6106	T: +61 8 9350 6002	F: +61 8 9350 5609
SA 93 Harrison Rd, Croydon Park, SA 5008	T: +61 8 8346 8331	F: +61 8 8346 8330
NSW 18 Fariola Street Silverwater NSW 2128	T: +61 2 9648 6090	F: +61 2 9648 2527

Chromagen Pty Ltd
www.chromagen.com.au
info@chromagen.com.au
1300 367 565

BE0014.4

CHROMAGEN
Est. 1962
solar & energy solutions

Solar and gas hot water

HOT WATER
24/7

Chromagen Hot Water Tanks

Chromagen's selection of hot water tanks are technologically advanced for maximum efficiency, durability and safety. They come in a range of sizes from 200 to 300 litres ensuring a plentiful supply of piping hot water for the whole family.

Horizontal on-roof locations, or vertical ground-mounted solutions are available to satisfy your particular needs and conditions.

1. Sacrificial Anode
For superior protection against corrosion.

2. Built-In Thermostat
For convenience and safety.

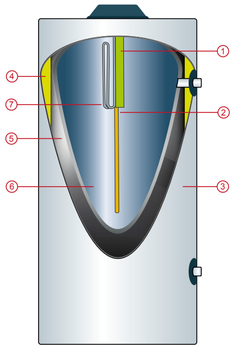
3. External Coating
Available in attractive baked polyester to provide extreme durability in the harshest of conditions.

4. Polyurethane Insulation
Maximises heat retention and minimises heat loss for superior efficiency.

5. Storage Tank
Manufactured in mild steel for maximum strength in mains pressure situations. Protects against high-tensile stress corrosion.

6. Internal Glass-Enamel Coating
Protects against corrosion.

7. Energy Efficient Electric Element
An alternative source of energy for cloudy days ensures consistent supply of hot water 24 hours a day, 365 days a year. Alternatively, gas boosting is also available.



Hot Water Tank Specifications

Capacity	Height (mm)	Width (mm)	Weight (kg)	Electric Element
200 Ltr	1270	560	65	2500W
300 Ltr	1420	650	91	2500W

Solar Collectors

In satisfying the most rigid requirements of European markets, there are simply no better collectors available than Chromagen's solar collectors. We offer the most advanced technology and superior design ensuring maximum sun absorption and efficiency that outperforms competing collectors. Quality materials and unique manufacturing techniques ensure a durable product that will pay for itself many times over.

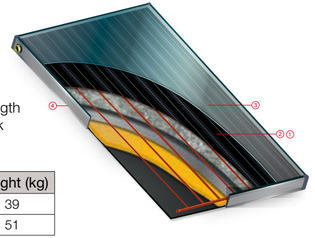
Our range of solar collectors allow tailored cost-effective hot water solutions for a wide variety of locations and climatic conditions. From Tasmania to the Top End, we've got Australia covered. The aesthetic designs, engineered for strength and optimal performance, ensure maximum benefits from the Chromagen solar system of your choice.

1. Absorber Plate
Copper fins ultrasonically welded to copper risers provide excellent heat transfer and a very high absorption rate of 95% for higher efficiency and durability.

2. Absorber Plate Coating
Available in black chrome or selective solar paint. All provide a superior surface designed for excellent energy absorption even in cooler climates.

3. Solar Glass - 3.2mm thick
The solar glass is patterned to reduce reflection and maximise solar transmittance. It is tempered to maximise strength and durability in severe weather conditions like hail storms.

4. Extrusion Casing
Manufactured from colour bonded galvanised steel for maximum strength and corrosion protection. The back panel is made of black polypropylene to prevent dissimilar metal corrosion on metal roofing materials.



Collector Specifications

Model	Gross area (m²)	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)
CR 100	2.10	1900	1090	90	39
CR 120	2.80	2190	1290	90	51

Thermosiphon Systems

Thermosiphon systems call on Mother Nature to circulate water through the solar collectors to the storage tank using the thermosiphon principle that hot water rises naturally. Hence, eliminating the need for circulating pumps or other moving parts. Chromagen's thermosiphon systems are the most straightforward, economically viable and energy efficient designs available. A gas or electric backup booster provides energy during cloudy weather, so you can have plenty of hot water when you need it.

The thermosiphon system includes:

- Solar collector(s) of your choice
- Storage tank sized to suit your requirements
- Connecting Kit

Tank sizes are 200 or 300 litres so there's a size to suit your particular needs. Depending on your location and climate you may choose an Open-Loop or Closed-Loop system.

Open Loop System

Suitable for warm climates
In Open-Loop Systems the water circulates through the solar collectors and is heated directly by the sun. These systems are suitable for climates that are mostly frost-free and have good water quality.

Close Loop System

Suitable for cooler climates
Closed loop systems utilise a heat exchanger to heat the water indirectly with the sun. They are particularly useful in frost prone areas and areas with poor water quality.

Split Systems

In split systems the storage tank is usually separated from the solar collectors, with the tank located at ground level and the collectors on the roof. Consequently, a low energy circulating pump and solar controller are utilised to ensure correct water circulation. Like thermosiphon systems, the forced circulation system is also available in open-loop and closed-loop configurations, so there is a Chromagen solar hot water system that is guaranteed to fit your particular needs perfectly.

Back-up Boosting: Electric

When the weather turns bad and there isn't enough sun, don't worry – you won't run short of hot water. Our electrically boosted solar water heaters come with a completely automatic back-up booster. If the water temperature falls below the thermostat setting (a minimum of 60ºC) the electric element will automatically switch on to bring the temperature back to the thermostat setting after which it will automatically switch off. So you'll always have hot water when you need it, at a temperature that complies with Australian Standards regulations.

Back-up Boosting: Gas

By linking one of our Eternity continuous flow gas water heaters as a back-up booster, you'll never run out of hot water. The water in the storage tank is heated by the sun after which it flows through the gas booster to the house. If the water is already heated enough by the sun, it flows through to the house with no gas boosting at all. If it's not already hot enough, the gas booster automatically tops up the temperature using just enough gas to do the job.

Eternity continuous flow gas water heaters

Endless Hot Water - The claims are true!
Ever taken a shower after someone else, or after the washing machine has been running, only to discover there's only 5 minutes of hot water left? If you often end up leaving the shower shivering, cursing under your breath with conditioner still in your hair, you're a prime candidate for an Eternity continuous flow gas water heater.

An Eternity hot water heater continuously delivers up to 26 litres of hot water per minute, even when another shower or appliances are also drawing hot water.

Continuous savings

The water in a traditional gas storage hot water tank has to be kept continually hot whether you're using it or not – so it uses gas unnecessarily. Our Eternity gas water heaters only use gas as you are using the hot water, which is much more energy efficient and cost effective.

All our Eternity gas systems have an efficiency rating of over 5 Stars, with the highest being 6 Stars. Plus, the warranty is second to none – a 10 year warranty on the heat exchanger and 3 years on all other parts and labour.

What this all adds up to is not just peace of mind, but significant savings against rising energy costs. And if you want to save even more on running costs, all our Eternity gas systems are solar compatible.

Commercial application

Our Eternity range of continuous flow gas water heaters are so versatile they are ideal for commercial hot water applications. For more information, please refer to the Large Scale Commercial Systems section elsewhere in this brochure, or ask for our detailed commercial brochure which is available separately.

- Compact design
- External installation
- 10 year warranty on heat exchanger
- 5 star+ energy rating

- Compact design
- Indoor installation
- Never runs out of water
- Remote temperature controllers for extra safety

Specifications / Models	G20	G26	G26 Pure6	i26
Hot Water Capacity	20L/min @ 25ºC rise	26L/min @ 25ºC rise	26L/min @ 25ºC rise	26L/min @ 25ºC rise
Flue system	Forced flue (External)	Forced flue (External)	Forced flue (External)	Forced flue (Internal)
Energy input (high / low) MJ/h	160 / 21	200 / 21	200 / 17	200/22
Water inlet pressure	211 kpa min 1200 kpa max	212 kpa min 1200 kpa max	211 kpa min 1200 kpa max	212 kpa min 1200 kpa max
Weight in kg (dry)	14.8	17.3	17.3	20
Gas connection	Ø20mm BSP	Ø20mm BSP	Ø20mm BSP	Ø20mm BSP
Gas pressure required (LPG)	2.75 kPa	2.75 kPa	2.75 kPa	2.75 kPa
Gas pressure required (NG)	1.13 kPa	1.13 kPa	1.13 kPa	1.13 kPa
Dimensions (mm)	H:575 W:350 D:165	H:575 W:350 D:170	H:575 W:350 D:170	H:610 W:350 D:210
Water connections	Ø15mm BSP	Ø20mm BSP	Ø20mm BSP	Ø20mm BSP
Gas types	NG / LPG	NG / LPG	NG / LPG	NG / LPG
Energy Rating	5.2	5.8	6	6
Colour	Beige			