going solar
Renewable Energy & Sustainable Living Showroom Since 1978

SOLAR HOT WATER INFO

Details Current @ 01-01-07

Going Solar
60 Leicester St.
Carlton VIC 3053
Tel:(03) 9348 1000
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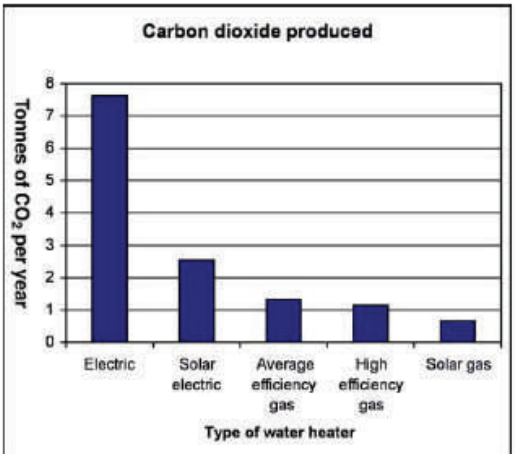
www.goingsolar.com.au

WHY SOLAR HOT WATER?

Every house in Australia should have a solar hot water system. It's that simple. From Perth to Sydney, Darwin to Melbourne, they make environmental and economic sense.

ENVIRONMENTALLY SOUND

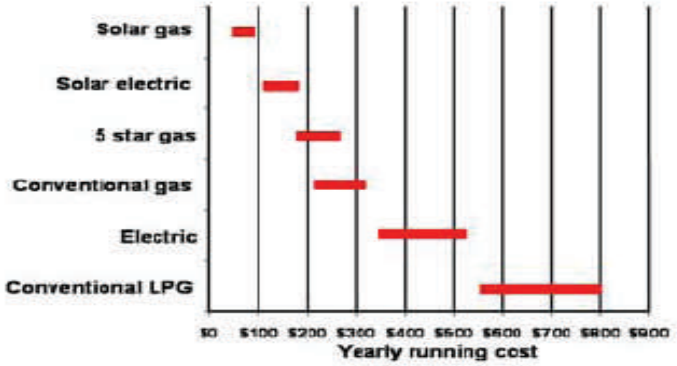
Using fossil fuels to heat hot water is one of the biggest domestic contributions to global warming. A solar hot water system can reduce your home's production of carbon dioxide by as much as 20%.



Source:www.seav.sustainability.vic.gov.au

ECONOMICALLY SENSIBLE

Despite the initial cost, a solar hot water system is a great long-term investment that has a guaranteed returned. In average Victorian conditions, a solar hot water system will pay for itself in 5 to 10 years. In Melbourne you can expect the sun to provide up to 80% of your hot water per annum. That's 80% of your hot water for free! Coupled with the longevity of the stainless steel and copper tanks from the Beasley range, purchasing a solar hot water system is one of the best economic decisions you can make.



Source:www.seav.sustainability.vic.gov.au

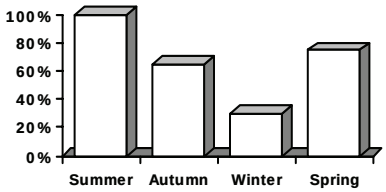
INSTALLATION

- You have an unshaded north facing roof;
- The roof has a pitch of at least 15° from horizontal (otherwise a frame is required);
- Tank can be installed indoors or outdoors;
- The tank is properly sized for your longer term needs;
- Going Solar has an extensive network of installers throughout Victoria and Tasmania;
- Installation usually completed in one day.

FREQUENTLY ASKES QUESTIONS

Does solar hot water work in Victoria?
Solar hot water systems work effectively in Victoria using mature and established technology. Victorians have access to 15% more solar energy than Barcelona in sunny Spain and the same amount as North Africa, disproving the myth that Victoria's climate cannot support solar power. (SEAV)

Will I run out of hot water if it's not a sunny day?
No. Firstly solar hot water systems are designed to store larger amounts of hot water than a conventional system. The reason for these larger than normal tanks is to maximise the amount of stored solar energy, while also having extra hot water capacity from a previous sunny day carry over to a following cloudy day. Secondly, all Beasley solar hot water systems have either a Rinnai gas instantaneous booster or an electrical booster element.



(Typical solar contribution)

My current hot water system is leaking. Can I buy a new tank and add solar panels later?
Yes. You can replace your hot water system with a solar-compatible tank and fit solar collectors at a later stage. In the meantime the tank will run as a conventional electric or gas hot water system.

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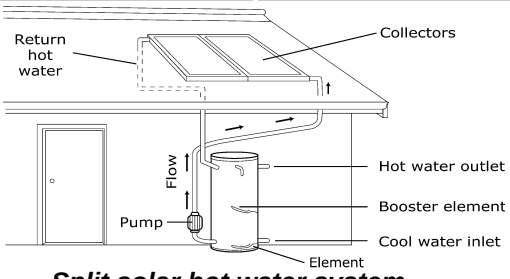
CENTURION 12S SPLIT SOLAR HOT WATER

Where the collector panels are on the roof, and the tank is on the ground, with a pump circulating the water between the collectors and the tank. The pump is operated by a differential solar controller which measures the temperature in the tank and the panels, and circulates the water only when solar gain is available. The differential controller also controls the inbuilt frost protection and over-temperature protection systems

ADVANTAGES	DISADVANTAGES
70-85% savings on your hot water bill in Victoria	Can't be connected to a wood heater
Boosting with instantaneous gas or off-peak electric and optional second peak electric element	-
Good water stratification	-

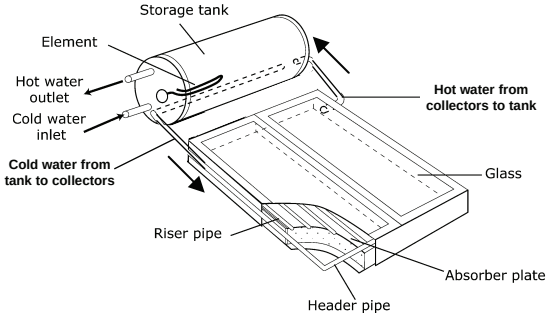


Split solar hot water system

PRESTIGE 26S CLOSE COUPLED SOLAR HOT WATER

Where the tank is mounted above the panels, and water is heated in the panels and rises by the natural thermosiphon process into the tank, from where it is cycled through the panels again.

ADVANTAGES	DISADVANTAGES
70-85% savings on your hot water bill in Victoria	Tank must be mounted on the roof
Boosting with a wood stove via a heat exchanger	-
Thermosyphoning - no pump required	-

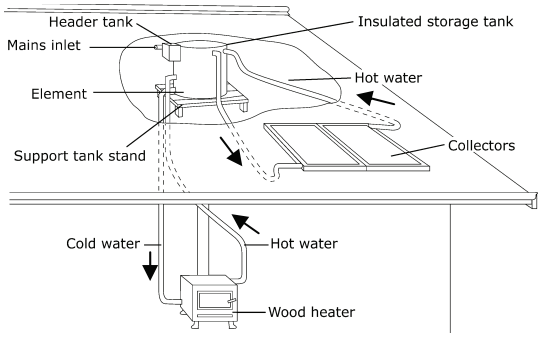


Close-coupled solar hot water system

ROOF MASTER GRAVITY FEED SOLAR HOT WATER

Gravity feed systems; constant pressure
Gravity feed systems are perfect for households using a wood heater. The in-roof tank is connected to solar panels for summer hot water, and can be directly connected to a wood heater for winter hot water.

ADVANTAGES	DISADVANTAGES
60-100% savings on your hot water bill in Victoria	The house must be plumbed for gravity feed delivery
Boosting with a wood stove and/or off-peak electric or gas	Tank should be mounted within the ceiling cavity
Thermosyphoning - no pump required	-



Gravity feed solar hot water system

REBATES: REC'S AND SEAV

REC'S Who is eligible?

- New homes and buildings
- Existing homes or buildings replacing an electric water heater

SEAV Who is eligible?

- Existing homes or buildings replacing a gas water heater, wood, briquette or oil fuelled water heater, or converting an existing hot water system to solar.

Call Going Solar for the current prize of the REC'S

WHAT WE NEED TO KNOW

1. Do you have a north-facing roof?
   If not, which way does it face?
2. No. of bedrooms in the house?
   No. of people currently living there?
   No. of bathrooms in the house?
3. Type of boosting available?
   Natural gas or LPG gas, off-peak electric, wood heater.
4. Where do you get your water from?