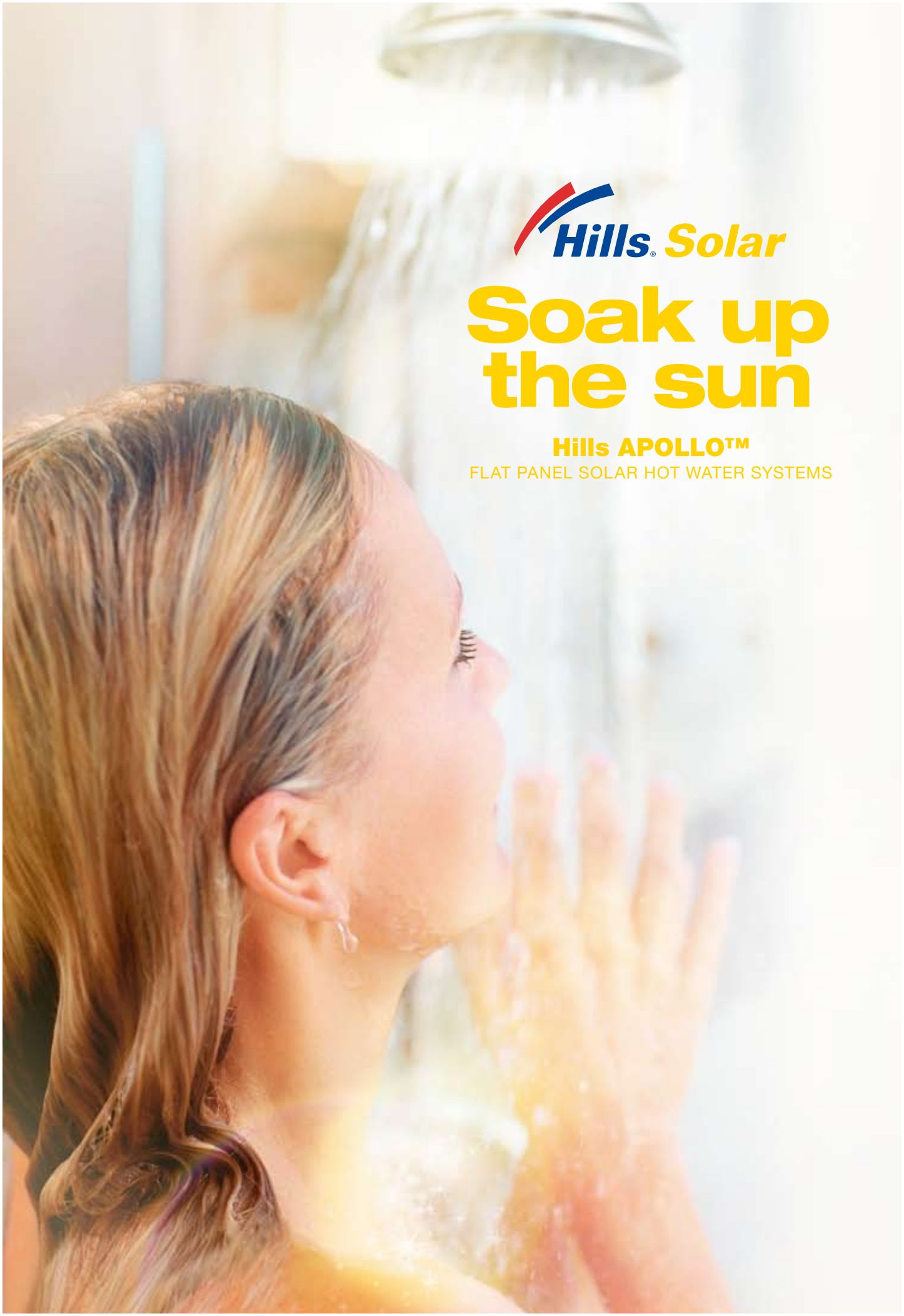


Hills Solar

Soak up the sun

Hills APOLLO™

FLAT PANEL SOLAR HOT WATER SYSTEMS

a part of everyday australia

Since the introduction of the iconic Hills Hoist in 1946, Hills Holdings have been developing a range of innovative products that are now a part of everyday life in Australian households.

Today, Hills are well known for manufacturing a wide range of quality home, hardware and eco products including Team Poly rainwater tanks, Bailey ladders, Hills garden sprayers, aluminium doors, garden beds, ironing boards and a wide range of clotheslines.

With more than 2,800 employees in Australia and New Zealand, you can be sure that Hills will continue to play a big part in the lives of Australians for generations to come.

a name you can trust

Hills Solar has some of the most advanced solar hot water systems available in Australia.

Hills Solar hot water systems will enable you to harness the power of the sun, generating affordable hot water for your home.

The energy savings achieved from installing a Hills Solar hot water system will assist in the preservation of the Australian environment, for the enjoyment of future generations.

The solar advantage

Electricity costs are continuing to increase and the environmental impact of generating electricity using traditional methods are significant. As a result, more people are making the most of the sun's clean and free energy source and turning to solar hot water as the perfect alternative.

By simply installing a solar hot water system, you can reduce your home's annual hot water heating costs by up to 85%.

Up to 31 per cent of Australian households' electricity consumption is used for the heating of hot water.

"Reduce your homes annual hot water heating costs by up to 85%"*

The decision to go with a solar hot water system has immediate economic advantages, but the long-term environmental benefits of reduced energy use translate to a reduction in greenhouse gas emissions. This makes solar hot water the smart 'Eco-nomical' solution for your family and the environment.

"Reduce household CO_2 emissions by up to 4 tonnes per year"

*Based on TRNSY modeling

> Comparative costs

(Source: Sustainability Victoria)

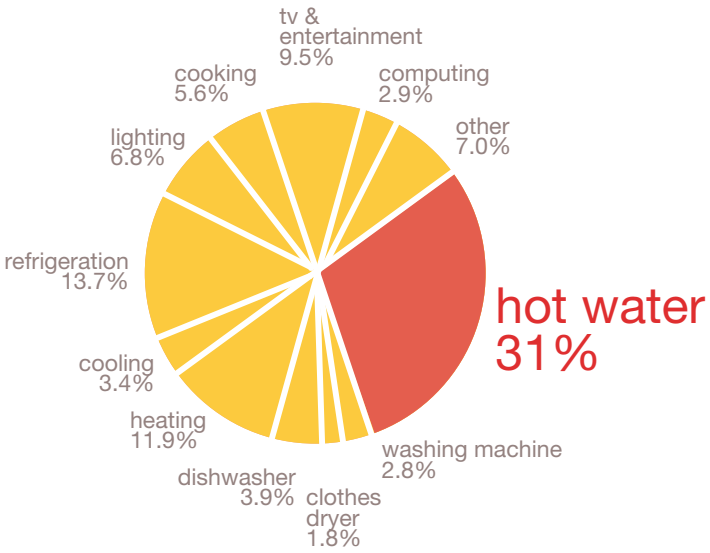
Hot water systems	Monthly cost^
Day rate (instantaneous) electric	$64 - $90
Off-peak electric storage	$34 - $56
Solar hot water (electric boosted)	**$14 - $18**

^Monthly costs assume a water usage of 180-260 litres/day.

The appliance running costs listed are based on the average electricity tariff. Average Peak rate (GD or GR) 17 cents/kWh. Average Off-Peak 9 cents/kWh. These costs do not include supply charges, which can add up to $50 to each quarterly bill. All costs are GST inclusive.

> Household electricity use

(Source: EDCCW 2009. Based on electricity use of a 3 person household in Western Sydney)



> Tonnes of greenhouse gas emissions per year

(Source: Sustainability Advice. Energy Strategies 2007. Based on Brisbane location, household of 3-4 people)

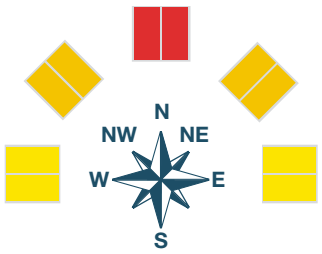
Hills APOLLO™

FLAT PANEL SOLAR HOT WATER SYSTEMS

Hills Solar has taken advantage of the most recent improvements in solar heat transfer technology to bring you an advanced solar panel with the NEW Hills APOLLO™ flat panel solar hot water systems.

With its innovative design and advanced solar panel technology to capture the sun's natural energy, the Hills APOLLO™ can effectively reduce household CO2 emissions by up to 4 tonnes per year. That's the equivalent environmental benefit of taking a small car off the road.

The Hills APOLLO™ is designed to provide superior solar hot water performance for you and your family and will also look great and add value to your home.



THE IDEAL LOCATION FOR PANELS IS FACING DUE NORTH. However, 45' NW or NE is acceptable with minimal effect on performance.

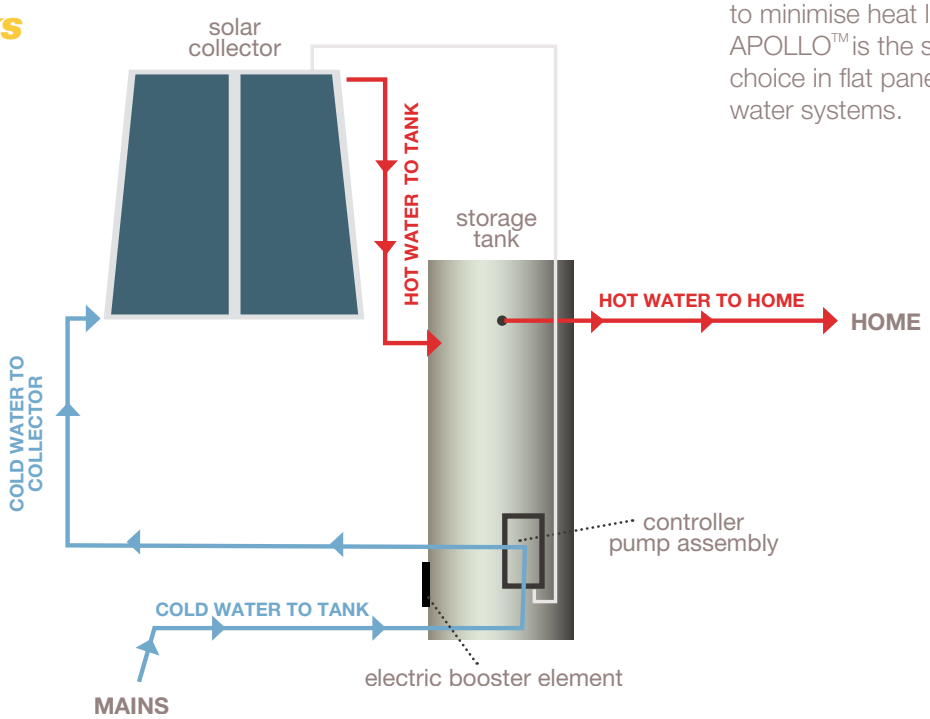
Advanced Solar Technology

The Hills APOLLO™ represents the pinnacle in flat panel solar hot water systems in Australia.

Using advanced technology and innovative design, the Hills APOLLO™ delivers performance efficiencies that exceed those of comparable flat panel solar hot water systems.

The Hills APOLLO™ uses single sheet sun selective panels which increase absorption and reduce heat loss. The solar panels are a unique single piece base construction and are laser welded for optimal heat transfer. High-density thermal insulation is used inside the solar panels to minimise heat loss. Hills APOLLO™ is the smartest choice in flat panel solar hot water systems.

> How it works



Hills Solar leading the way

Hills Solar has been the benchmark for solar hot water system efficiency, reliability and aesthetics since the introduction of the Hills ESTEEM™ evacuated tube solar hot water system in 2006.

Hills Solar combines progressive research and development and world-class manufacturing to deliver high performance, superior quality solar hot water systems.

The Hills APOLLO™ delivers outstanding durability and exceptional heating and efficiency ensuring a constant supply of hot water.

"The Hills APOLLO™ uses single sheet sun selective panels which increase absorption and reduce heat loss "

The Hills APOLLO™ uses a mild steel vitreous enamel (glass lined) storage tank that is suitable for a wide range of water conditions within Australia.

Peace of mind with Hills APOLLO™ **5-year product warranty on the solar panels and hot water storage tanks*.**

Gas and electric boosting

When radiant energy is low as a result of cloud cover or rain, the Hills APOLLO™ utilises gas or electric boosting to ensure a consistent supply of hot water.

The gas boosted Hills APOLLO™ system comes with a continuous flow gas booster that delivers up to 20 or 26 litres of hot water per minute to ensure your hot water is delivered at the required temperature.

"Hot water available all year round "

The electric boosted Hills APOLLO™ system comes with a standard 3.6kW bottom-heating element. This can be changed to a 2.4kW or 4.8kW element if required. The positioning of the electric boost element at the bottom of the tank ensures you will have a full tank of hot water available all year round.

*Conditions Apply

Selection guide

[1]No. of Persons in a Household	*Tank Size	Number of panels
1-2 People	175 Litre Storage Tank	1 panel
3-5 People	270 Litre Storage Tank	2 panels
5-7 People	340 Litre Storage Tank	2 panels

Based on AS3500.4:2003 Appendix H. Assuming 80% container draw off. Energy calculations are based on AS4234-1994.
** Suggested only. > Tank size shown denotes the rated tank capacity.*
1- Denomination could reflect a dishwasher or washing machine.

Generous Government Incentives

Governments all around Australia have introduced measures to increase the sustainability of new and existing housing with a focus on reducing energy consumption.

You may be eligible for Federal, State or Local Government rebates when installing a Hills APOLLO™ flat panel solar hot water system.

The Hills APOLLO™ solar hot water system qualifies for generous Government incentives.

Visit **hillssolar.com.au** or call **1300 363 386** for further information regarding Government incentives.

Renewable energy certificates (RECs)

RECs are a form of currency created by the Federal Government under the Renewable Energy (Electricity) Act 2000 and are used to demonstrate compliance with the requirements of the Governments Renewable Energy Target (RET) scheme. There are four zones within Australia, which will determine the amount of RECs per system.

> What's your RECs zone?

Hills APOLLO™

FLAT PANEL SOLAR HOT WATER SYSTEMS

Vitreous enamel (glass lined) storage tanks

MODEL NO.	ELECTRIC BOOSTED SYSTEMS	RECs Z1	Z2	Z3	Z4
HS-180-FP1	175L Tank Electric boosted 1 Panel	18	18	18	14
HS-250-FP1	270L Tank Electric boosted 1 Panel	24	24	24	19
HS-250-FP2	270L Tank Electric boosted 2 Panels	32	31	32	27
HS-315-FP2	340L Tank Electric boosted 2 Panels	31	31	31	26
HS-315-FP3	340L Tank Electric boosted 3 Panels	35	33	35	30

MODEL NO.	NATURAL GAS BOOSTED SYSTEMS	RECs Z1	Z2	Z3	Z4
HS-180-FP1-20NG	175L Tank S20 NG boosted 1 Panel	26	26	26	22
HS-250-FP1-20NG	270L Tank S20 NG boosted 1 Panel	28	30	28	23
HS-250-FP2-20NG	270L Tank S20 NG boosted 2 Panels	42	42	42	35
HS-250-FP2-26NG	270L Tank S26 NG boosted 2 Panels	42	42	42	35
HS-315-FP2-20NG	340L Tank S20 NG boosted 2 Panels	42	42	42	35
HS-315-FP2-26NG	340L Tank S26 NG boosted 2 Panels	41	42	41	35
HS-315-FP3-26NG	340L Tank S26 NG boosted 3 Panels	48	47	48	42

MODEL NO.	LPG BOOSTED SYSTEMS	RECs Z1	Z2	Z3	Z4
HS-180-FP1-20LP	175L Tank S20 LPG boosted 1 Panel	26	26	26	22
HS-250-FP1-20LP	270L Tank S20 LPG boosted 1 Panel	28	30	28	23
HS-250-FP2-20LP	270L Tank S20 LPG boosted 2 Panels	42	42	42	35
HS-250-FP2-26LP	270L Tank S26 LPG boosted 2 Panels	42	42	42	35
HS-315-FP2-20LP	340L Tank S20 LPG boosted 2 Panels	42	42	42	35
HS-315-FP2-26LP	340L Tank S26 LPG boosted 2 Panels	41	42	41	35
HS-315-FP3-26LP	340L Tank S26 LPG boosted 3 Panels	48	47	48	42

> *Tank size shown denotes the rated tank capacity.*

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