

FAQs

Solar Hot Water



What is the difference between a solar power system and a solar hot water system?

The Photovoltaic solar panels get energy from the sun and convert it to electrons to provide a power supply to your business, while the solar hot water system captures the sun's light and heat energy, which is then transferred into hot water.

These are two very different solar products but both can work well given the correct situation.

What are evacuated tube solar collectors?

Evacuated tube solar collectors are a popular choice for solar hot water systems due to their low maintenance construction, high efficiency and lightweight design. The process of how the collectors work is simple. They capture the sun's light and heat energy, which is then transferred into hot water as the circulator pushes water through the collector. The heat is then stored in a tank, which continuously heats throughout the day. When you then open the hot taps, hot water will be drawn from the storage tank ready for your immediate use.

How do the solar hot water evacuated tubes handle hail?

Apricus supplies Infinity Power with high quality evacuated tube collectors made to Australian and International standards. In terms of hail resistance, our evacuated tubes have been independently tested and shown to withstand impact from a 25mm / 1" ice ball at 90km/hr. If you are in a region with extreme hail (much larger than 25mm / 1") then the solar collectors should be installed at an angle of 45° or greater, which greatly decreases impact strength.

How much will we save when we switch to a solar hot water system?

Replacing an electric or gas hot water system with a solar one can save up to 80 per cent on your water heating bills while reducing a household's carbon emissions and increasing the value of your home or property. And the good news is: it is cheaper than ever to make the switch.

Will our solar hot water work at night?

The sun's energy that the system receives throughout the day will be sufficient to heat your water 24 hours. The insulation in the water tank ensures that water temperatures stay consistently hot.

Does our roof need strengthening to accommodate the hot water system?

Because Infinity's systems are a split system a standard 30tube system weighs less than 100kgs on your roof! Systems with a tank on the roof generally weigh over 500kg when full of water (300litrs water = 300kg).

How do we choose the right solar hot water system?

Here are some of the questions that you need to answer in order to select the right solar hot water system:

- ~ How many people work at your company?
- ~ Where is the business located
- ~ Your company's water demands
- ~ The water quality in your area

If there is no sunshine, does that mean we will have no hot water?

All solar hot water systems have a booster built-in to ensure you are never left with a cold shower.

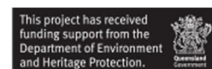
There are tubes with thicker glass out there, are they stronger?

Infinity's glass thickness is 1.8mm, and has passed the hail impact testing to meet Australian Standards. Although it may seem counter-intuitive the thickness does not always indicate strength. More important than thickness, is the material structure and quality of the glass. For example: some suppliers have glass of 1.6mm thickness which is stronger to impact than 2mm glass from other suppliers due to better quality glass. So simply saying "this glass is thicker" is not really a valid or useful comparison.



THE ECOBIZ TEAM IS ALWAYS AVAILABLE TO HELP YOU.

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What applications are Infinity's solar hot water systems best suited to?

Solar collectors are very versatile, they can be used in a full range of applications - These include:

- ~ Household and residential solar hot water
- ~ Business and commercial hot water
- ~ Solar pre-heating systems
- ~ Pool heating, dairy farms, chemical treatment plants, hospitals, apartment buildings, wineries and many more.

Why should we choose Infinity's solar hot water system?

- They partner with Apricus, Australia's Number 1 evacuated tube SHW manufacturer . and they are Australian owned & operated as well
- ~ 15 year collector warranty
- ~ 15/10 year tank warranty
- ~ Passive sun tracking
- ~ Cyclone rated framework

Why should we change my existing electric system to Solar?

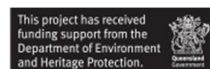
Installing an Apricus solar hot water system will help you

- ~ SAVE up to 80% on your water heating bills,
- ~ REDUCE your household carbon emissions,
- ~ INCREASE the value of your home or property and;
- ~ PRODUCE cheap hot water from the sun.



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