



Why install solar hot water?

Installing a solar hot water system will significantly reduce your hot water cost and make a huge contribution to the environment. Heating water is the single largest cause of greenhouse gas emissions from the average Australian home (excluding vehicles), accounting for 28 percent of home energy usage. A solar hot water system will:

- Provide up to 90% of your household's hot water requirements without emitting greenhouse gases
- Save you up to \$700 per year on your power bill
- Reduce your household's carbon footprint by up to four tonnes of CO₂ per year.

(Source: Department of the Environment, Water, Heritage and the Arts)

Enhance the value of your property

A survey conducted by Australia's largest property website realestate.com.au found "An overwhelming 73.37 percent of respondents believed that having one or more environmentally friendly features around the home would make it more saleable, with half (52.88%) predicting that value of the property can attract a premium of 5-10 percent if on the market.

Why evacuated tubes?

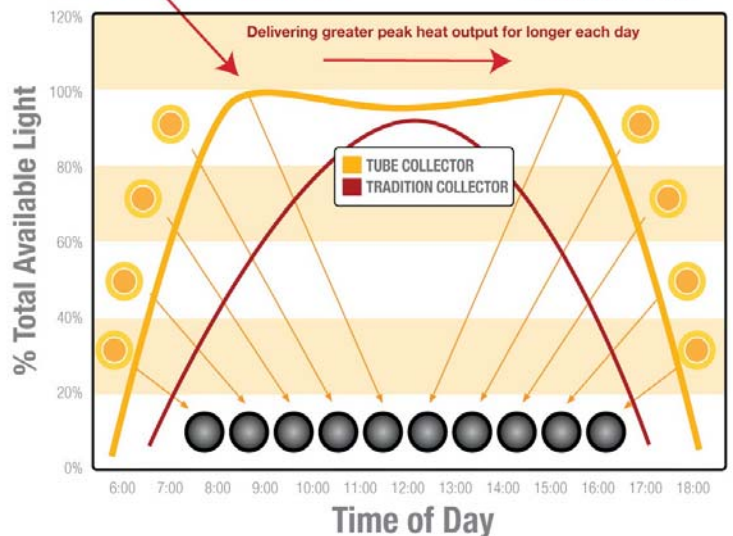
Evacuated tube collectors work more efficiently than flat plates for three reasons.

- 1) They perform well in both direct and diffuse solar radiation.
- 2) The vacuum in the tube minimizes heat losses to the outdoors, making these collectors particularly useful in areas with cold, cloudy winters. On a cold windy day a flat plate collector will lose almost as much heat as is gained.
- 3) Because of the circular shape of the evacuated tube, sunlight shines directly into the absorber for most of the day. At acute angle sunshine tends to reflect off flat plate collectors, resulting in a drop off in efficiency.

In warm climates the performance of the two systems is fairly comparable. In cooler climates, evacuated tubes work better in winter – when it really matters.

Evacuated Tube Solar Collectors can exceed 100% due to reflection off neighbouring tubes, which increases relative absorber area.

% of Annual Available Light
 Tube Collector = 92.4%
 Flat Collector = 76%



Why Neopower Solar Hot Water System?

Evacuated tubes:

- Positive sun tracking due to cylindrical absorber shape
- 2mm toughened glass tubes
- Absorber coating retains up to 97% heat
- Naturally self-cleaning by design
- Flat and pitched roof mounting systems available
- Pump module consumption < 23 watts
- Certified – Australian Standard 2712
- 10 Year Warranty (Collector, Manifold & Frame only, excludes labour from year 2-10)



Evacuated tube specifications	15 Tube	20 Tube	25 Tube	30 Tube
Collector Size (h*w*d)	2020*1410*155	2020*1825*155	2020*2240*155	2020*2655*155
Total Area (m2)	1.155	1.54	1.925	2.3
Weight (kgs)	58.3	77.1	96.1	114.1
Manifold Material	Anodized Aluminium Alloy			
Evacuated Tube	Hail resistant to AS/NZ 2712			
Tube Glass Type	Borosilicate Glass (high heat resistance)			

Tanks:

- Vertical tank structure increases efficiency
- Vitreous enamel lined steel with sacrificial anode for long life
- High quality colorbond weather proof casing
- Robust construction with high density thermal insulation
- Various tank size: 250L, 315L and 400L
- 5 Year Warranty

Other quality parts:

- Grundfos pump (made in German), extreme quiet and low power consumption
- Bosch gas (LPG or NG) booster
- Solar controller: excellent quality and very reliable
- Valves and fittings provided by Australian Valve Groups (AVG)

Will I receive rebate?

To help reduce greenhouse gas emissions generous Federal and State Government rebates are available, making the purchase of solar hot water systems very affordable. Different rebates are applicable depending on the type of system and circumstances of the installation.

Authorised Neopower Agent: