

solatherm

PV Direct Hot Water

When the sun shines your hot water is free



Solatherm PV Direct is a hot water solution that is simple to install, operates silently, has no moving parts, no pumps and requires no water to be plumbed in or on your roof.

We use the sun during the day to heat and store hot water, to use day and night. One of the largest energy uses in any home is water heating, it can easily account for a quarter of the total home energy use, costing you big dollars every year.

**That's why many
Australians are installing the
efficient Solatherm PV
Direct Hot Water solution in
their home or business.**

**It will reduce your carbon footprint and
deliver significant savings on the cost of
heating your water, all year round.**

The system's intelligent design and dedicated solar PV array is the only system that can provide the average 4-person household its hot water expense at a net zero cost over an average 12-month period.

Why buy a Solatherm PV Direct Hot Water:

- Australian designed, made and owned.
- Silent operation, no fans, no compressors.
- Can operate independently without the grid.
- Dual handed cylinder plumbing and electrical quick connect.
- No freezing issues in frost prone areas.
- No expensive plumbing of water in and on the roof.
- Certified to all Australian requirements.
- Designed and built for Australia.
- PV Direct Hot Water is an all-electric solution.
- No moving parts, latest technology.
- Independent 24 hr AC boost back up.
- Can be used in confined spaces, indoors or outdoors.
- Greater installation and design flexibility.
- PV generated hot water excels in cold temperature environments with a clear sky.
- Accurate temperature control, no system overheating.
- Low cost maintenance & serviceability.

No wasted energy, once the water is hot, the DC power can be switched to an inverter for use in the household or to a battery system or another DC appliance.

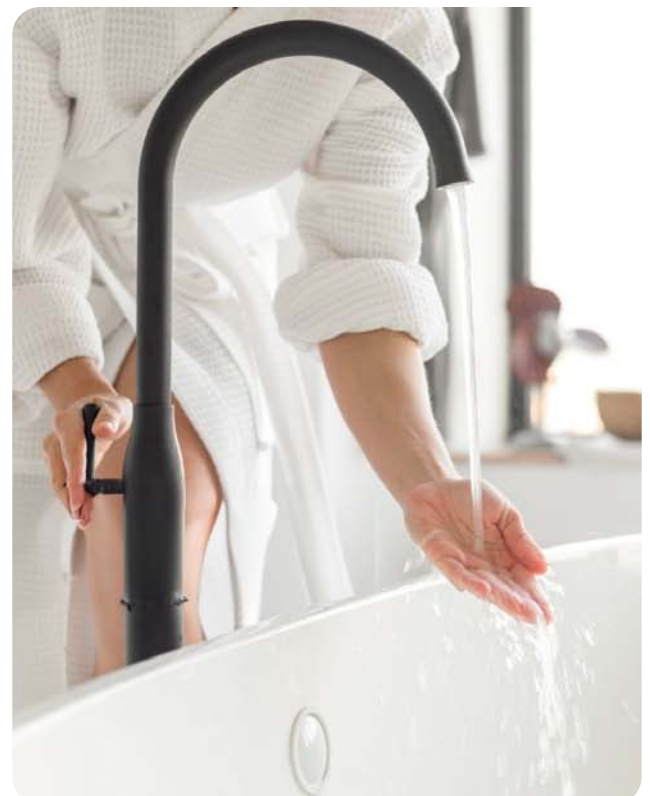
Hot Water innovation at its best!

**Power created by a photovoltaic array is
directly harnessed by the Solatherm hot
water controller to heat water in the
storage cylinder.**

It only needs sunlight to start heating water!

Energy from the solar array remains in pure DC format directly powering the DC controller and, via a specifically designed DC element, heats your water.

For periods when there is insufficient sunlight, an independent AC boost element (or a gas booster) will ensure your hot water is always at the optimum temperature.





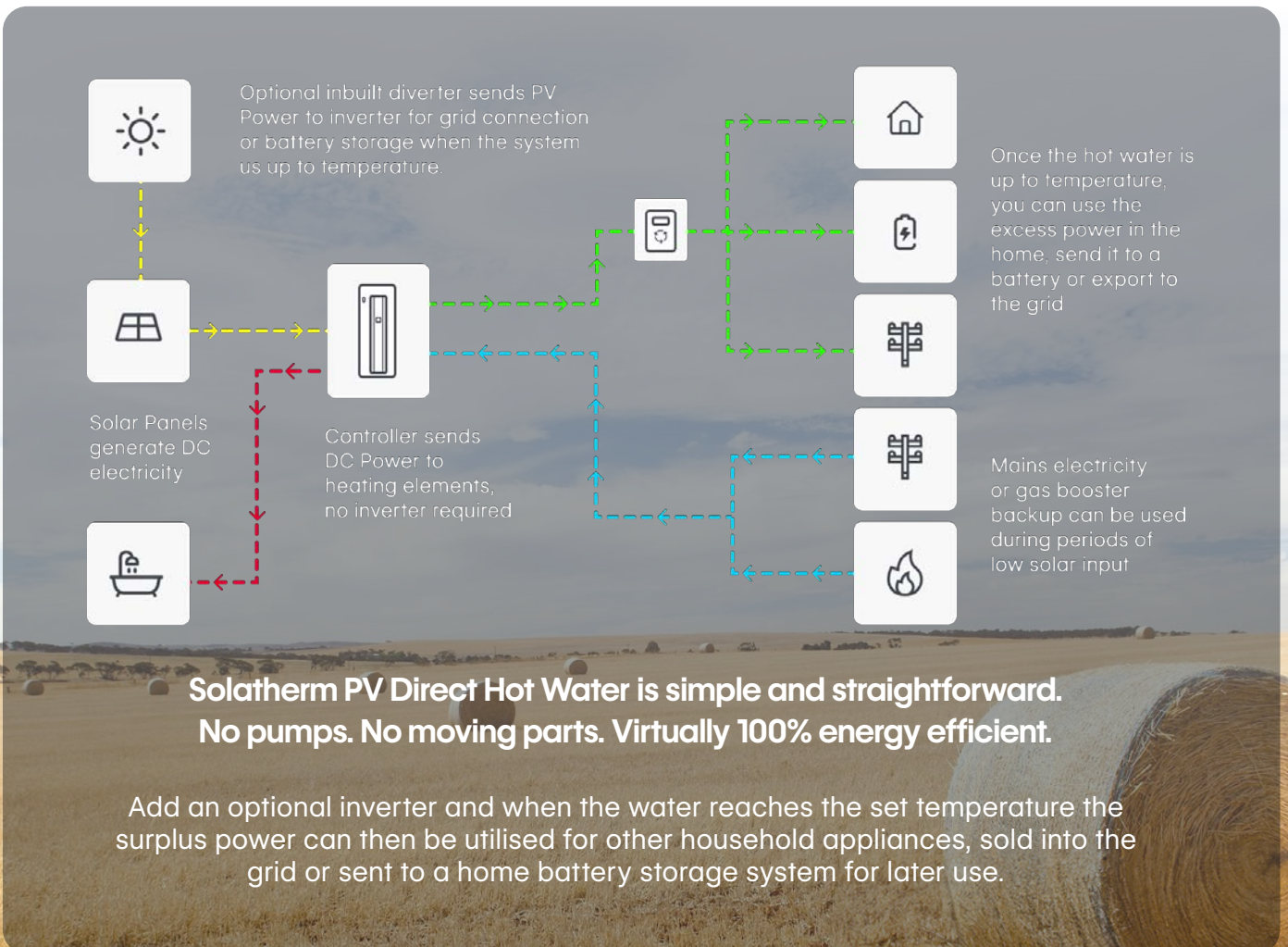
Once the water is up to temperature our intelligent DC controller switches the power being generated by the array to your inverter so you can make full use of the power being generated to supply your home, charge your battery or feed back to the grid.

Back up AC Power used for periods of low solar input or high demand are easily offset by surplus power that has been previously fed to the inverter.

Simple installation, industry standard electric hot water cylinder plumbing, simple wiring, no pumps, no noise, no frost issues, efficient and effective, even at sub-zero temperatures.

Enjoy hot water and save.

How it Works



Typically, PV solar panel manufacturers give their products a 25-year performance warranty and are designed to take a beating from the sun every day, unlike most old-style solar thermal hot water collectors which generally have a significantly shorter life expectancy and performance limitations.

Solatherm PV Direct hot water systems are the latest technology. They have no pumps, no cooling fans. The intelligent controller ensures that the PV array is always working for you, either producing hot water or sending power to an inverter, battery charging system or appliance.

Australian designed and made in Australia for Australian conditions. The systems are easily serviceable and require virtually no maintenance.

Solatherm PV direct systems are CEC listed and eligible for STC rebates.

Key areas for usage:



New homes after efficient ratings



Sustainable housing



Commercial premises



Rural properties



Off grid locations



Cold locations



Locations with unreliable or poor power supply



Tiny homes

solatherm

Building world class sustainably products to help you reduce your carbon impact on the world

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