



australian sun energy

EVACUATED TUBE SOLAR HOT WATER SYSTEMS



GREENLAND SYSTEMS SOLAR COLLECTORS DEVELOPED BY "DAIMLER BENZ AERO SPACE" ARE A BREAKTHROUGH IN SOLAR HOT WATER TECHNOLOGY.

The Greenland Systems solar collector with single wall vacuum tube and heat pipe construction is a four-seasons hot water system. It will efficiently deliver hot water all year round.*

THE CHOICE FOR DOMESTIC SOLAR HOT WATER

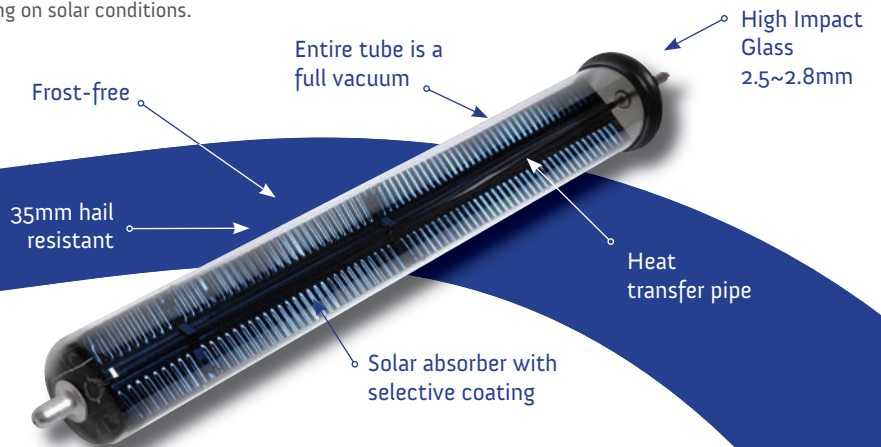
- Latest German technology vacuum tube and dry heat interface, ideal for low temperate zones
- Out-performs most other collectors - especially in winter
- Tubes can conveniently be replaced without shutting the system down
- Save on power bills, reduce carbon emissions and help the environment



ALL YEAR ROUND PERFORMANCE IN WINTER

Greenland Systems solar collectors incorporate the latest in solar technology and performs efficiently the whole year round, not just during the summer months. By utilising a 'dry heat interface' within the vacuum tube, the Greenland Systems solar collector tubes ensure that hot water is available* in winter or on a cloudy day when most other collectors do not collect any heat at all.

*depending on solar conditions.



DOMESTIC SYSTEM SIZES AVAILABLE:



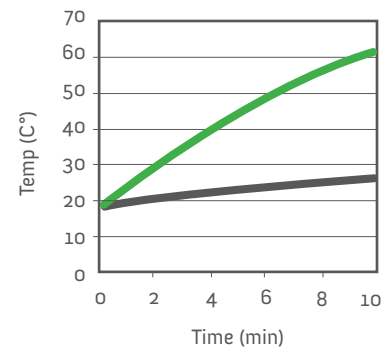
160L 260L 315L



Sun Controller Gas Booster Pump

KEY BENEFITS

- Excellent heat transfer.
- Long-life peak performance.
- Minimum maintenance.
- Quick & easy (1 person) installation.
- Australian standards compliant.
- 14 year guarantee on solar vacuum tubes.
- Made within a totally environmentally-friendly manufacturing process.



Greenland GL100-15
Flat Panel Solar Collector



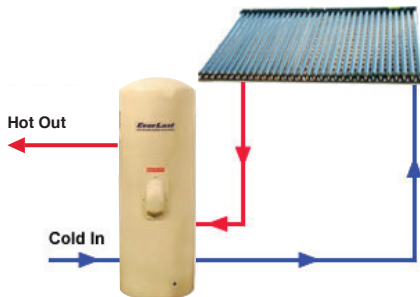
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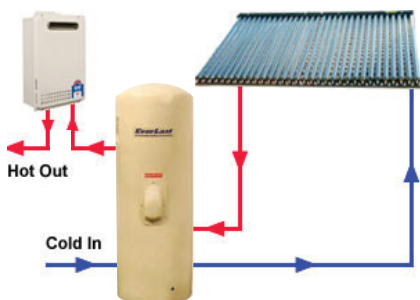
Greenland Systems offers a choice of four common product solutions to cover domestic solar hot water heating requirements, and various commercial applications.

DOMESTIC

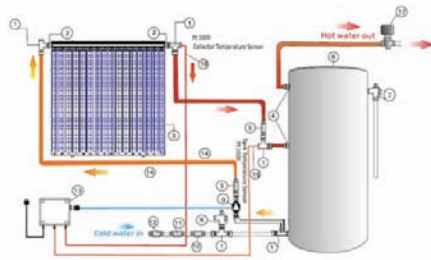
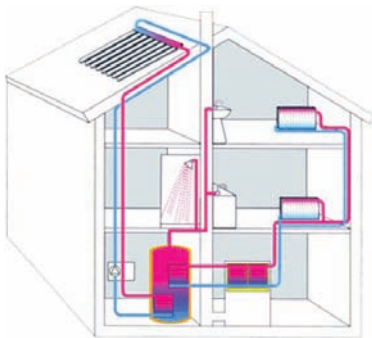
All domestic Greenland Systems solar hot water systems receive Government Rebates and Renewable Energy Certificates where applicable.



'Electric boosted' solar collector



'Gas boosted' solar collector



Solar-electric hot water system



1. Greenland Systems 'Electric Boosted' Solar Collector
Hot water storage tank connected to mains power.

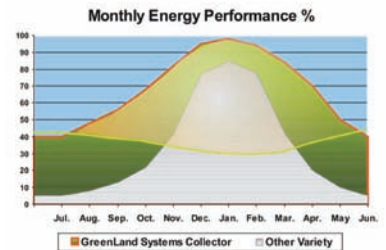
Typical System includes:

- Greenland solar collector
- Stainless steel storage tank (connected to mains power)
- Circulating pump
- Electronic control unit
- Heat exchanger

2. Greenland Systems 'Gas Boosted' Solar Collector
Where natural gas or LPG bottle gas is available.

Typical System includes:

- Greenland solar collector
- Stainless steel storage tank
- Circulating pump
- Electronic control unit
- Heat exchanger
- Gas booster (heats water only when required)



4. Other Hydronic Applications

- Hydronic heating for homes and greenhouses
- Swimming pools & spa pools heating

COMMERCIAL

1. Large Scale Solar Array Installations

The modular construction of Greenland Systems solar collectors makes large commercial and industrial applications easier than ever. Commercial installations incorporating several hundred Greenland Systems collectors can be built with nominal output rating in excess of 1 MegaWatt.

2. Commercial Applications

- Commercial laundries
- Car washes
- Dairy farms
- Aged care accommodation
- Food industry
- Hospitality industry



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