

# EVACUATED TUBE SOLAR HOT WATER SYSTEMS

Evacuated tube solar water heaters have the storage tank located on the ground in a convenient location.

Solar energy is collected by the roof mounted tubes. Heated water is transferred from the tube assembly to the storage tank by an innovative control system that operates when solar energy is available.



## BENEFITS OF SOLAR HOT WATER

Australian electricity is predominantly generated using non renewable and dirty coal fired power stations. As well as electricity they produce carbon dioxide emissions, ash, particles and waste heat, while consuming vast quantities of water and non renewable coal. Solar hot water systems reduce the need for electricity to be generated and are part of many major energy reduction programs. Installing a solar hot water system will reduce your electricity usage and your carbon foot print.

## FEATURES OF EQUINOX EVACUATED TUBE SYSTEMS

- Reduction in Energy to heat the water in your home
- High efficiency evacuated tubes with frost protection down to -12 deg C
- Lightweight roof mounted components for ease of installation
- Available with a stainless steel or vitreous enamel carbon steel tank
- Ground level tank minimises the impact on the aesthetics of your roof
- Option of a gas or electric booster for those cloudy days
- Equinox split system solar controllers incorporate a sophisticated IEC intelligent electronic controller. The IEC controller uses algorithms to switch the transfer pump to collect solar energy but not short cycle or cause the tank to overheat reducing stress on the pump and tank and preventing the safety valve from wasting hot water.



## SYSTEM SELECTION

Solar hot water system sizing is based on the number of people in your household as well as the usage. When selecting a system consider whether you have average or high hot water use. If you have a spa bath and/or utilise a lot of hot water for washing, consider selecting a larger system, or adding a collector.

Model	Tank	No. of Tubes	Booster	STCs				System Selection	
				Z1	Z2	Z3	Z4	Average Usage	High Usage
<b>Stainless Steel Tanks</b>									
SB25EVT25ES	250	25	3.6 kW Electric	15	15	16	14	8 people	5 people
SM25EVT25ES	250	25	3.6 kW MID Electric	19	20	20	18	5 people	3 people
SB31EVT30ES	315	30	3.6 kW Electric	26	26	25	22	10 people	6 people
SM31EVT30ES	315	30	3.6 kW MID Electric	31	32	30	26	7 people	4 people
SP25EVT25GS	250	25	S26 Gas <sup>(1)</sup>	30	32	30	26	8 people	5 people
SP31EVT25GS	315	25	S26 Gas <sup>(1)</sup>	30	32	30	26	10 people	6 people
SP31EVT30GS	315	30	S26 Gas <sup>(1)</sup>	37	41	36	31	10 people	6 people
<b>Vitreous Enamel Tanks</b>									
SP20EVT25EV	200	25	3.6 kW Electric	18	18	17	14	7 people	4 people
SP25EVT25EV	250	25	3.6 kW Electric	15	15	14	11	8 people	5 people
SP25EVT25EV	250	25	3.6 kW MID Electric	31	33	31	27	5 people	3 people
SP31EVT25EV	315	25	3.6 kW Electric	14	14	13	10	10 people	6 people
SP31EVT25EV	315	25	3.6 kW MID Electric	31	32	30	25	6 people	4 people
SP31EVT30EV	315	30	3.6 kW Electric	15	15	15	12	10 people	6 people
SP31EVT30EV	315	30	3.6 kW MID Electric	33	33	33	28	6 people	4 people
SP17EVT20GV	175	20	S20 Gas <sup>(1)</sup>	26	29	25	22	6 people	4 people
SP21EVT25GV	215	25	S26 Gas <sup>(1)</sup>	30	32	30	26	7 people	4 people
SP27EVT25GV	270	25	S26 Gas <sup>(1)</sup>	29	31	29	26	9 people	5 people

(1) Select gas booster to match number of hot water outlets that will operate at the same time.

## STCs & EQUINOX SOLAR SYSTEMS

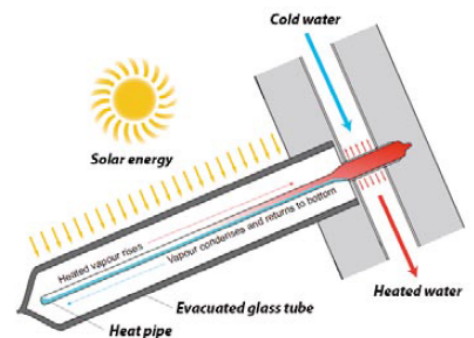
Performance of a solar hot water system is measured in Small Scale Technology Certificates (STCs). Equinox solar hot water systems deliver a large number of STCs, saving on both up front purchase and on-going energy costs.



## COLLECTORS

Equinox Split Systems are available with Evacuated Tube Solar collectors in sets of 20, 25 or 30 tubes. The tubes are manufactured in borosilicate glass with an inner glass tube providing a vacuum for heat retention.

Each evacuated tube solar collector retains as much solar energy as possible, resulting in a high number of STCs.



## BOOSTERS

Boosters bring the solar heated water to final temperature during times of low solar availability and/ or excessive hot water use. Equinox offer both electric and gas boosters to match your fuel choice. **Electric Boosters** heat the volume of water in the tank above the electric element. There are two electric element positions available, each providing a balance between efficiency and on-demand capability. **Gas Boosters** use the dedicated solar version of the market leading Rinnai INFINITY as an in-line gas booster. Only operating if and when required, in-line gas boosting will never run out.

## WARRANTY

- Vitreous enamel tanks - 5 years\*
- Stainless Steel tanks - 10 years\*
- Collectors - 15 years\*

\*For further information on warranty conditions and exclusions please contact your local Equinox Solar Dealer

## WEBSITE

[www.equinoxsolar.com.au](http://www.equinoxsolar.com.au)

## EQUINOX DEALER

Going Solar  
 60 Leicester St  
 Carlton Vic 3053  
 P:03 9348 1000  
 F:03 9348 0077  
 E:mark@goingsolar.com.au  
[www.goingsolar.com.au](http://www.goingsolar.com.au)