



**SOLAR HOT WATER**

**POWERED BY Rinnai**

# VITREOUS ENAMEL SPLIT SOLAR HOT WATER SYSTEMS

Split Solar Hot Water Systems have the storage tank mounted on the ground in a convenient location. Solar energy is collected by the roof mounted solar collectors. Heated water is transferred from the solar collectors to the 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 at all 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 VITREOUS ENAMEL SPLIT SYSTEM

- Reduction in energy costs to heat the water used in your home.
- Carbon steel tank with a vitreous enamel glass lining to protect against corrosion.
- Ground level tank minimises the impact on the aesthetics of your roof.
- High efficiency collectors to absorb the maximum available solar energy. (collectors also available for frost prone areas)
- It is the ideal system for the construction of a new home or a major renovation.
- 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.
- Designed by Rinnai, a household name in efficient water heating.



## 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	Collectors	Booster	STC Enduro/FTC				STC E-Frost				System Selection	
				Z1	Z2	Z3	Z4	Z1	Z2	Z3	Z4	Average Usage	High Usage
SP202EV	200	2	3.6 kW Electric	18	19	18	16	18	17	17	14	7 People	4 People
SP312EV	315	2	3.6 kW Electric	28	30	26	22	17	17	16	12	10 People	6 People
SP313EV	315	3	3.6 kW Electric	30	31	31	25	30	29	28	23	10 People	6 People
SP171GV	175	1	S20 Gas	23	27	23	21	14	16	15	13	6 People	4 People
SP171GV	175	1	S26 Gas	23	27	23	21	14	16	15	13	6 People	4 People
SP212GV	215	2	S20 Gas	38	42	38	33	33	38	32	28	7 People	4 People
SP212GV	215	2	S26 Gas	38	42	38	33	33	38	32	28	7 People	4 People
SP272GV	270	2	S26 Gas	37	41	37	32	28	30	28	25	9 People	5 People

## STCs & EQUINOX SOLAR SYSTEMS

Performance of a solar hot water system heater 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

All Equinox Stainless Steel Split Systems are available with Enduro, Excelsior and E-Frost Solar collectors. These are highly efficient flat plate solar collectors with copper tubes offering the largest possible solar collection area. Enduro and Excelsior collectors are also available in a Frost Tolerant (FTC) version. Select FTC as advised by your Equinox Solar Dealer.

**Enduro Collectors** offer a well insulated aluminium case, solar glass and aluminium finned risers incorporating a black selective surface to collect and retain as much solar energy as possible, resulting in industry benchmark efficiency.

**Excelsior Collectors** offer TiNOX, the latest 'blue absorber surface' European technology that delivers efficiency and a certified performance over its long life.

**E-Frost Collectors** combine the best features from Flat plate solar collectors and evacuated tube collectors resulting in high performance and high level frost protection. Choose E-Frost for heavy frost areas (-12°C).

## 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 three 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

Tanks - 5 Years\*, Collectors - 7 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

Contact your Equinox Solar Dealer for further information.

