Roof mounted solar water heater

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The 52C300 Premier Hiline closed circuit solar water heater is designed for both the solar collectors and the solar storage tank to be roof mounted. The solar storage tank has a Colorbond(R) jacket and is suitable for installation with the NPT200 solar collectors. It is designed for installation in areas subject to frost or freeze conditions, that receive to medium to high solar gain.

Solahart Closed Circuit Systems are protected against freezing or harsh water conditions by our exclusive "Hartgard" fluid. "Hartgard" is used to lower the freezing temperature of the Heat Transfer Fluid and so provides protection against freezing.

The electric boosted models are equipped with an in-tank element. Alternatively the system can be installed as a pre-heater with an inline Solahart gas booster water heater.

There is an incentive resulting in a financial benefit to households that install solar hot water, under the Renewable Energy Target - a Federal Government legislated scheme. Your Solahart Expert can deduct the value of the financial benefit as an upfront discount off your system.

The 52C series solar water heater is an indirect solar hot water system with a heat exchanger wrapped around the inner cylinder as part of the solar storage tank design. The vitreous enamel lined solar storage tank is installed on the roof directly coupled to the solar collectors. This water heater is designed to be installed as an electric boosted solar water heater with its booster heating unit connected to a power supply, however it may be installed with an in-series continuous flow or storage booster.

The solar water heater uses the thermosiphon principle, without the need for a pump, circulator or sensors. The solar collectors absorb solar energy. The low-iron content solar glass allows more solar energy to pass through and be used to heat the collector"s absorber plate than conventional glass.

* The suggested price is comprised of RRP less the applicable solar incentive and excluding installation. Solar incentive value applies to 52C300/NPT solar hot water system in Zone 3.

^ Energy savings of up to 60% shown are based on Australian Government approved TRNSYS simulation modelling of a Rheem 52C300/2NPT and using a medium load in Zone 3 and apply when replacing an electric water heater. Any savings will vary depending upon your location, type of Solahart system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.

52C300 series solar water heater is an indirect solar hot water system with a heat exchanger wrapped around

the inner cylinder as part of the solar storage tank design. The vitreous enamel lined solar storage tank is installed on the roof directly coupled to the solar collectors. The heat exchanger and solar collectors are connected by copper pipe work and form a closed circuit which is filled with closed circuit fluid.

The closed circuit fluid is a solution of a blue, non-toxic food grade propylene glycol heat transfer fluid concentrate mixed with water. The heat transfer fluid concentrate is used to lower the freezing temperature of the closed circuit fluid and provides protection against freezing. The closed circuit also provides protection to the solar collectors and solar pipe work against harsh water chemistry.

To help maximise system performance, solar collectors should be installed with an optimum orientation facing true north (in the southern hemisphere) or true south (in the northern hemisphere). Always check for true north or true south using a compass or other suitable device.