



The Smart Choice in Solar Hot Water

The benefits of solar water heating are well known – energy from the sun costs nothing, and depending on which E-Sun model you select, you can receive an average 80% of your hot water requirements for free!

And while you're reducing your power bill, you're helping the environment.

Superior design, advanced technology and quality materials ensure the very best in efficiency, slashing your heating costs while you enjoy steaming hot water, all year round.

That's why E-Sun systems are the smart choice in water heating.

European Engineering

Engineered with advanced Australian solar heating technology and using only the highest quality materials, E-Sun systems assure superior performance and a longer operating life coming with a standard 5 year limited warranty and hardly any maintenance costs.

E-Sun offers a choice of a vitreous enamel or stainless steel tank giving customers a wider choice of hot water preferences.

World Leading Standards

E-Sun hot water systems comply with the most rigorous manufacturing standards and are rated with higher efficiency than equivalent competitor models. The tougher construction and clever design principles make E-Sun systems ideal for any environment.

From the challenging conditions in below freezing environments to hot desert temperatures, wherever you are in the world, E-Sun systems are simple, durable and efficient hot water solutions.

Thermosiphon Systems

In the Thermosiphon system both the hot water storage tank and solar collectors are mounted as one seamless unit on the roof. Here, the smart Thermosiphon design uses natural convection to move water through the system, minimizing energy requirements.

Built tough to operate in extreme weather conditions, they are engineered with advanced materials, durable colorbond® weather proof outer casing making it look good long after it has been installed. It's also one of the most aesthetically



THERMOSIPHON SYSTEM

- Advanced natural convection design
- Easy to mount, seamless unit
- 180 litre or 300 litre tank
- Open or closed circuit
- Environmentally friendly

pleasing systems around, with an asymmetric low impact shape and a choice of vitreous enamel or stainless steel tank.

E-Sun's Thermosiphon is flexible enough to meet any needs with a choice of water tank size; either a 180 litre tank, or a generous 300

litre tank for more demanding requirements. A choice of open or closed circuit systems allows use in any temperatures or water conditions. In locations where water quality is good, and ambient temperatures don't fall below 0°, an open circuit system is ideal. In colder conditions, or where water quality is poor, a closed circuit system works best.

The Thermosiphon system is a lightweight, two-piece system that's easy to mount and uses CFC free thermal insulation to set a new standard in environmentally friendly hot water systems.

180 SERIES THERMOSIPHON PRODUCT RANGE

Model Number (Enameled Steel Tank)	1815/O/E	182/O/E	1815/C/E	182/C/E	182P/10/C/E
Model Number (Stainless Steel Tank)	1815/O/S	182/O/S	1815/C/S	182/C/S	182P/10/C/S
Storage Tank Storage Volume (L)	180	180	180	180	180
Storage Tank Weight Full (kg)	228	228	243	243	243
Storage Tank Dimensions (WxHxD) (mm)	625 x 590 x 1235	625 x 590 x 1235	625 x 590 x 1235	625 x 590 x 1235	625 x 590 x 1235
Collector Circuit Type	Open	Open	Closed	Closed	Closed
Number of Solar Collectors	1	1	1	1	1
Solar Collector Model Number	1.5BC	2BC	1.5BC	2BC	2SP
Collector Absorber Surface	Black Chrome	Black Chrome	Black Chrome	Black Chrome	Blue Sputtered
Gross Collector Area (m2 ea)	1.5	1.92	1.5	1.92	2.12
Collector Weight Full (kg ea)	32.4	40.9	32.4	40.9	39.9

300 SERIES THERMOSIPHON PRODUCT RANGE

Model Number (Enameled Steel Tank)	303/O/E	304/O/E	303/C/E	304/C/E	304P/10/C/E	306/O/E	306/C/S	306P/10/C/E
Model Number (Stainless Steel Tank)	303/O/S	304/O/S	303/C/S	304/C/S	304P/10/C/S	306/O/S	306/C/E	306P/10/C/S
Storage Tank Storage Volume (L)	305	305	305	305	305	305	300	305
Storage Tank Weight Full (kg)	365	365	392	392	392	365	395	392
Storage Tank Dimensions (WxHxD) (mm)	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985	625 x 590 x 1985
Collector Circuit Type	Open	Open	Closed	Closed	Closed	Open	Closed	Closed
Number of Solar Collectors	2	2	2	2	2	3	3	3
Solar Collector Model Number	1.5BC	2BC	1.5BC	2BC	2SP	2BC	2BC	2SP
Collector Absorber Surface	Black Chrome	Black Chrome	Black Chrome	Black Chrome	Blue Sputtered	Black Chrome	Black Chrome	Blue Sputtered
Gross Collector Area (m2 ea)	1.5	1.92	1.5	1.92	2.12	1.92	1.92	2.12
Collector Weight Full (kg ea)	32.4	40.9	32.4	40.9	39.9	40.9	40.9	39.9

Split System

The E-Sun's Split system is a complete hot water solution designed to provide maximum efficiency and slash energy costs. Solar collector panels mounted on the roof harness the energy from the sun and transfer it to the ground-mounted tank. On the ground, the vertical structure of the tank increases efficiency while the smart twin element configuration allows you to heat only the top 80 litres, leaving the remainder for solar gain. And a wide choice of sizes - including 260 litre, 325 litre or 420 litre tanks – means that a E-Sun Split System can meet the needs of any household.



SPLIT SYSTEM

- Complete hot water solution
- Advanced twin element configuration
- 260, 325 or 420 litre capacity
- Open or closed circuit system
- Durable and reliable in all conditions

All E-Sun products, the Split system is ruggedly built to handle the harshness and extremes of the any environment. A choice of open or closed circuit systems allow use in any temperatures or water conditions. In locations where water quality is good and ambient temperatures don't fall below 0°, an

open circuit system is ideal. In colder conditions, or where water quality is poor, a closed circuit system works best. Whether using ours or the existing hot water tanks in your house (no point unless properly insulated) the E-Sun solar collectors allows the E-Sun split systems to adapt and deliver in any climate or any house anywhere. Flexibility and cost cutting is the key in this system allowing you to save wherever possible using already available resources and minimize budget expenditure.

E-Sun's advanced design principles mean that whether you live in a low solar radiation or high solar radiation area, below freezing or with the harshest desert temperatures, your E-Sun System will provide the most efficient, reliable supply of hot water, year round.

SPLIT SYSTEM PRODUCT RANGE

Model Number (Open Circuit)	2504/0/36/2BC	2504/0/36/2LC	3154/0/36/2BC	3154/10/0/36/2LC	4006/0/36/2BC	4006/10/0/36/2LC
Model Number (Closed Circuit)	2504/10/C/36/2SP	2504/C/36/2BC	2504/C/36/2LC	3154/10/C/36/2SP	3154/10/C/36/2BC	3154/10/C/36/2LC
Storage Tank Storage Volume (L)	260	260	260	325	325	325
Storage Tank Storage Volume (L)	420	420	420	530	530	530
Storage Tank Weight Full (kg)	347	347	347	427	427	427
Storage Tank Dimensions (Dia x Height) (mm)	.617 x 1444	.617 x 1444	.617 x 1444	.617 x 1754	.617 x 1754	.617 x 1754
Storage Tank Dimensions (Dia x Height) (mm)	.705 x 1703	.705 x 1703	.705 x 1703	.705 x 1703	.705 x 1703	.705 x 1703
Number of Solar Collectors	2	2	2	2	2	2
Solar Collector Model Number	2SP	2BC	2LC	2SP	2BC	2LC
Collector Absorber Surface	Blue Sputtered	Black Chrome	High Temp Paint	Blue Sputtered	Black Chrome	High Temp Paint
Gross Collector Area (m2 ea)	2.12	1.92	1.98	2.12	1.92	1.98
Collector Weight Full (kg ea)	39.9	40.9	35.9	39.9	40.9	35.9

Collectors

The perfect water heating system requires the best components. That's why E-Sun offers a range of solar collectors, carefully engineered to maximize the performance of your whole system. For maximum efficiency the E-Sun collectors are the right choice, offering truly state of the art technology to suit all applications. Superior efficiency means that E-Sun collectors are suitable for low and high radiation areas, in both harsh and soft water areas. They are easily adapted to suit Thermosiphon and Pump system applications ensuring that high-tech engineering and design do justice to your roof.



SP Collector

The E-Sun SP collector is the only pressed tray collector of its kind on the market today. Designed and manufactured in Europe, it has durable low iron toughened clear glass to increase performance and maximize energy collection from solar radiation. A blue sputtered absorber surface with 10 risers, ultrasonically welded for high thermal contact performance and sealed in a fully pressed aluminum tray, mean absolute performance.

COLLECTOR SYSTEM

- Designed for high efficiency
- Suit high or low radiation areas
- Suit all environments
- Stylish European design

And durable copper absorber and collector tubes along with high density Rock wool insulation ensure optimum efficiency. Like all E-Sun products the SP collector is made to suit all environments, with fully vulcanized weather seals to add protection from both the extremes of snow and high humidity.

BC Collector

The BC collector sets a new standard in collector efficiency, designed to offer premium performance in low radiation areas. In fact, it's so efficient that a reduced 1.5 m² version has been developed for high radiation areas where increased performance is not required. The BC collector achieves such levels of performance by using nine copper riser tubes and a copper collector plate with a selective surface of Black Chrome. The fully extruded aluminum collector case and glazing trim add strength as well as aesthetics. While an EPDM rubber seal means, like all E-Sun products, the BC is a highly durable and reliable long life product.

LC Collector

The LC collector has been designed using proven technology, making it the ideal workhorse for high radiation areas. The LC collector has an aluminum absorber plate with a black painted solar surface and six durable copper waterways, while a strong zinalume folded tray and the low iron toughened glass add strength and functionality to this stylish unit. The LC collector panel is a benchmark in reliable, efficient solar heating designed to meet everyday hot water requirements, simply and cost effectively..