



**PRODUCT
REVIEW**
.COM.AU

**2023 AWARDS
WINNER**

TS system



ENVIROSUN® Thermosiphon Solar Hot Water Heater



Envirosun[®] — advanced solar solutions

Harness the sun's energy, reduce emissions, save money and increase home value with solar water heating.

TS Thermosiphon systems — simple, efficient and reliable

Our TS Thermosiphon Systems offer seamless integration and roof-mounted design for maximum solar efficiency.

Advanced safety features, control systems, and a closed circuit ensure optimal performance and protection. With a minimum 7-year warranty* on the tank and collectors, experience superior durability, reliability and cost-effectiveness.

Engineered for Australian conditions

Our European 444 Grade Ferritic Stainless Steel cylinders, backed by a 10-year warranty*, withstand Australia's environment. As designers, not manufacturers, we use cutting-edge components for optimal performance, reliability, and durability.

Harnessing the power of nature

Thermosiphon flow, driven by the density difference between warm and cool water, powers our solar water heaters. No external power is needed as fluid naturally rises from collectors to the storage tank. Our systems facilitate circulation for efficient heating.

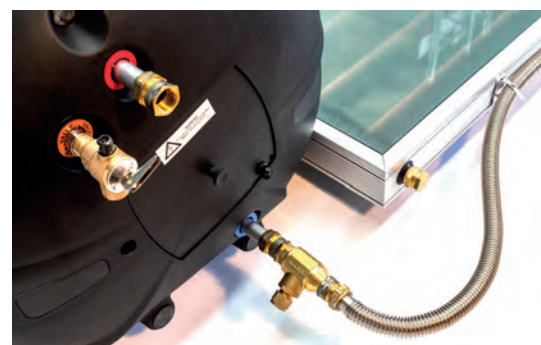
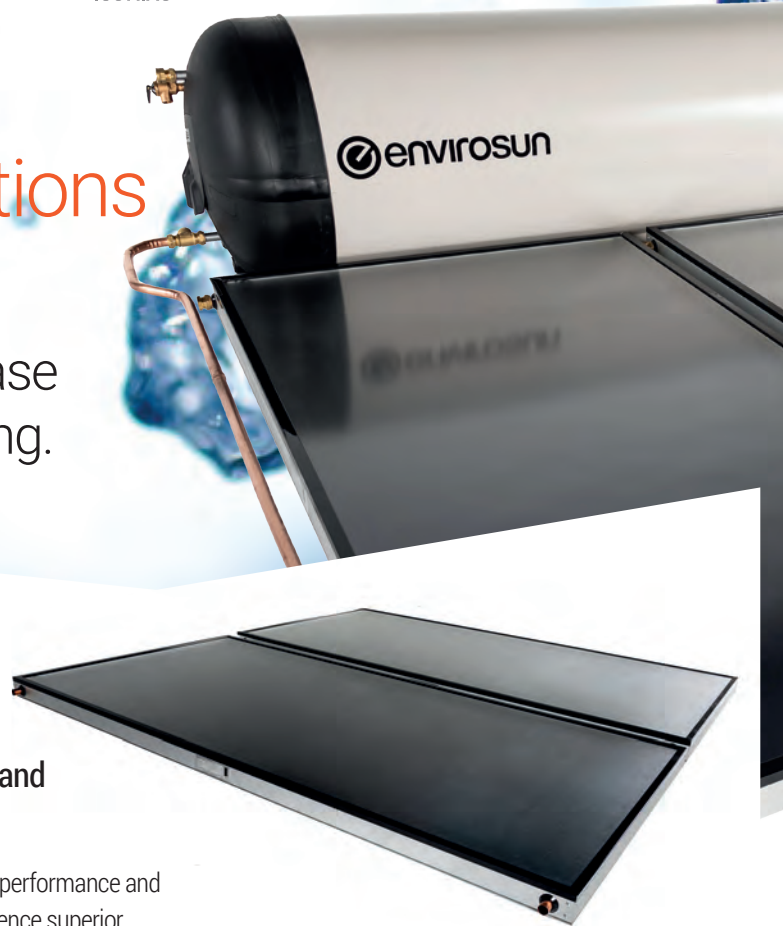
Embracing the greenhouse effect

Similar to greenhouses, our solar collectors utilise high-transmittance glass covers to allow short wavelength rays from the sun to pass through and heat the absorber plate. The re-emitted heat, in the form of long wavelength radiation, is reflected back into the collector by the glass, leveraging the greenhouse effect in harmony with nature.

Unmatched simplicity and reliability

TS and THX systems are among the most advanced available. The integrated design eliminates the need for powered pumps, ensuring a perfect match between solar radiation and water flow. With fewer parts and controls, enjoy consistent performance and exceptional energy savings.

Envirosun goes further, showing true dedication to the environment and customers. With over 25 years of experience, we specialise in top-quality solar hot water systems.



Choose **Envirosun®** for smarter, eco-friendly and long-lasting solar hot water solutions.

TS

THERMOSIPHON SYSTEM

Features of the TS system

- ✓ Tank and collectors roof-mounted as a single, integrated unit.
- ✓ Maximum solar efficiency with no power input.
- ✓ Technologically-advanced safety and control systems.
- ✓ Closed circuit for maximum solar collector freeze and fouling protection (THX only) with 10 year tank and collector warranty*
- ✓ Superior durability, reliability and cost-effectiveness.

Extended product warranty

Years after installation date	< 1	1-5	5-7	7-10
Components	Parts & Labour	Parts & Labour	Parts Only	Parts Only

TS Plus Open Circuit System

Tank *	✓	✓	✓	*
Collector	✓	✓	✓	×
Electrical, Valves & Acc.	✓	×	×	×

THX Plus Closed Circuit System

Tank	✓	✓	✓	✓
Collector	✓	✓	✓	✓
Expansion Vessel	✓	×	×	×
Electrical, Valves & Acc.	✓	×	×	×

* extended warranty on TS tank only available in Queensland & New South Wales

TS and THX

— advanced solar water heaters

Experience greater savings, reliability, and longevity with Envirosun TS and THX solar hot water systems. Visit envirosun.com.au for more information on freeze-prone areas and poor water quality suitability.



PREMIUM STAINLESS STEEL TANKS

Our tanks are manufactured in Holland, fully assembled and tested in Victoria, and made exclusively from grade 444 stainless steel for exceptional corrosion resistance. Each tank undergoes a pickling and passivation process for extended durability.



COMPLETE SYSTEM SOLUTION

Envirosun integrates the best components and sub-systems to complement our tanks and collectors. Our solar systems include control valves, thermostats, auxiliary boosters and specialised fixings, ensuring exceptional performance and reliability.



COMPLIANT & ELIGIBLE FOR INCENTIVES

Envirosun is fully compliant with industry standards and accredited by the Australian Government Clean Energy Regulator. Our solar water heaters appear on the CER Register and generate Small-scale Technology Certificates (STCs), providing financial support to purchasers based on installation date and location.



SECURE FINANCIAL INCENTIVES

STCs are renewable energy credits that offer financial incentives over a 10-year deeming period. The number of STCs depends on installation date and geographic location, with the deeming period reducing annually until the scheme ends in 2030. Ask your local Envirosun dealer for your system's eligibility.



PEAK PERFORMANCE COLLECTORS

Our bespoke solar collectors feature a high-performance selective surface absorber panel, laser-welded to copper risers and headers for optimal conductivity. With weather-resistant aluminum trays, thermal insulation and tempered solar glass covers, our collectors withstand harsh conditions while maximising solar absorption.



THX FOR FREEZE PROTECTION

In freezing conditions, our THX indirect systems offer a closed-circuit design with a separate jacket chamber, ensuring freeze-free operation. They are also suitable for areas with poor water quality.

SPECIFICATIONS TS

ELECTRIC BOOSTED	TS300/40Se	TS300/60Se	THX300/40Se
CER code	TS300/40/O/E24/S2/E20HS	TS300/60/O/E24/S2/E20HS	TS300/40/C/E24/S2/E20HS
Storage Capacity	304L	304L	304L
Mass Empty	129kg	144kg	135kg
Mass Full	437kg	453kg	454kg
Footprint	2,238 x 2,600mm	3,260 x 2,600mm	2,238 x 2,600mm
Boost capacity	140L	140L	140L

TANK

Model	TS300/O/E24/S2	TS300/O/E24/S2	TS300/C/E24/S2
Mass Empty	59kg	59kg	77kg
Mass Full	363kg	363kg	393kg
Footprint	650 x 2,150mm	650 x 2,150mm	650 x 2,150mm
Height	600mm	600mm	600mm

COLLECTORS

Model	E20HS	E20HS	E20HS
Quantity	2	3	2
Mass Empty (each)	27.5kg	27.5kg	27.5kg
Mass Full (each)	29.2kg	29.2kg	29.2kg
Footprint (each)	1,235 x 2,000mm	1,235 x 2,000mm	1,235 x 2,000mm
Height	70mm	70mm	70mm

ELECTRIC BOOSTER

Rating	2.4kW	2.4kW	2.4kW
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GAS BOOSTED	TS300/40Sg	TS300/60Sg	THX300/40Sg
CER code	TS300/40/O/GR26/S2/E20HS	TS300/60/O/GR26/S2/E20HS	TS300/40/C/GR26/S2/E20HS
Storage Capacity	304L	304L	304L
Mass Empty	149kg	164kg	155kg
Mass Full	458kg	474kg	474kg
Footprint	2,2238 x 2,600mm	3,260 x 2,600mm	2,238 x 2,600mm
Boost rate (max)	26L/min	26L/min	26L/m

TANK

Model	TS300/O/E24/S2	TS300/O/E24/S2	TS300/C/E24/S2
Mass Empty	59kg	59kg	77kg
Mass Full	363kg	363kg	393kg
Footprint	650 x 2,150mm	650 x 2,150mm	650 x 2,150mm
Height	600mm	600mm	600mm

COLLECTORS

Model	E25HS	E25HS	E20HS
Quantity	2	3	2
Mass Empty (each)	27.5kg	27.5kg	27.5kg
Mass Full (each)	29.2kg	29.2kg	29.2kg
Footprint (each)	1,235 x 2,000mm	1,235 x 2,000mm	1,235 x 2,000mm
Height	70mm	70mm	70mm

GAS BOOSTER

Gas Consumption	188MJ/hr	188MJ/hr	188MJ/hr
Heat output	42kW	42kW	42kW



Australian Standard
AS2712: 2007
Lic. SMK20021
SAI Global



AS3498 Lic.
WMKA21707
SAI Global



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