



AS system

ENVIROSUN® Solar Hot Water Heater Active Solar System



Envirosun[®]

— smarter solar solutions

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

With over 25 years of industry experience and innovation, Envirosun is committed to both the environment and your satisfaction.

We specialise in supplying solar hot water systems, and our unique manufacturing philosophy sets us apart.

Instead of relying on outdated plants, we assemble our products using the finest components sourced from leading global production houses.

This approach keeps us at the forefront of technology, ensuring that our systems are always superior, environmentally friendly and cutting-edge.

What does this mean for you? It means a more reliable, durable, and efficient product.

Our solar hot water systems not only work better, but they are also more economical to run, providing you with a superior and environmentally responsible solution.



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

AS

ACTIVE SOLAR SYSTEM

Benefits of the AS system

- ✓ High performance active solar hot water system
- ✓ Roof-installed solar collectors and ground-mounted tank
- ✓ Tank can be located indoors or out
- ✓ Greater flexibility, improved aesthetics and higher capacity
- ✓ Latest collector technology
- ✓ Maximum solar absorption and storage in all areas

Extended product warranty

Years after installation date	< 1	1-2	2-5	5-7
Components		Parts & Labour	Parts Only	

AS Active Solar System

Tank	✓	✓	✓	✓
Collector	✓	✓	✓	✓
PM-602	✓	✓	✓	×
Electrical, Valves & Acc.	✓	×	×	×

Active, pumped systems

— advanced solar water heaters

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

AS Active Solar systems

— efficiency and flexibility

Envirosun's AS range offers pumped solar hot water systems with improved aesthetics, higher capacity, and energy cost savings. Solar collectors on the roof harness energy, transferring it to a ground-mounted storage tank that can be placed conveniently.

The operating principle is simple: when the collectors heat the tank, a small pump circulates hot water, replenishing it with cool water. Modern electronics and materials enhance function and reliability.

Envirosun AS systems combine these advancements with our collector technology, maximising solar absorption and storage, regardless of radiation levels.

AS system controller

— smart control simplified

Efficiently control the AS System's circulating pump with an electronic microprocessor located by the tank. Two temperature sensors compare collector and tank temperatures.

Pump starts when collectors are 10°C hotter, circulating water until a 1°C difference. Minimal electrical usage, optimised by the controller's solar gain operation.

Additional benefits: Overheating protection, cooling for high temperatures, and frost risk reduction*.

* Not recommended for severe frost-prone areas.



SPECIFICATIONS AS

ELECTRIC BOOSTED	AS315/40Se	AS400/40Se	AS400/60Se
CER code	AS315/40/O/E24/E20HS-DM	AS400/40/O/E24/E20HS-DM	AS400/60/O/E24/E20HS-DM
Storage Capacity	320L	420L	420L
Mass Empty	176kg	143kg	229kg
Mass Full (on roof)	65kg	65kg	95kg
Mass Full (on ground)	422kg	544kg	544kg
Footprint (on roof)	2,270 x 2,050mm	2,270 x 2,050mm	3,362 x 2,050mm
Footprint (on ground)	782 x 617mm	870 x 705mm	870 x 705mm
Boost capacity	187L	253L	253L

TANK

Model	VE315/E24/V-DM	VE400/E24/V-DM	VE400/E24/V-DM
Mass Empty	93kg	115kg	115kg
Mass Full	414kg	535kg	535kg
Footprint	620 x 620mm	705 x 705mm	705 x 705mm
Height	1,765mm	1,705mm	1,705mm

COLLECTORS

Model	E20HS	E20HS	E20HS
Quantity	2	2	3
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	AS315/40Sg	AS400/40Sg	AS400/60Sg
CER code	AS315/40/O/GR26/E20HS-DM	AS400/40/O/GR26/E20HS-DM	AS400/60/O/GR26/E20HS-DM
Storage Capacity	320L	420L	420L
Mass Empty	193kg	165kg	250kg
Mass Full (on roof)	65kg	65kg	95kg
Mass Full (on ground)	422kg	544kg	544kg
Footprint (on roof)	2,270 x 2,050mm	2,270 x 2,050mm	3,362 x 2,050mm
Footprint (on ground)	782 x 617mm	870 x 705mm	870 x 705mm
Boost rate (max)	26L/min	26L/min	26L/min

TANK

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GAS BOOSTER

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



Australian Standard

AS2712: 2007
Lic. SMK20021
SAI Global



WaterMark

AS3498 Lic.
WMKA21707
SAI Global



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WARRANTY



REBATES



REVIEWS