



# AS system

ENVIROSUN® Active Split Solar Hot Water Heater



# Envirosun<sup>®</sup>

## — 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Instead of relying on outdated plants, we assemble our products using the finest components sourced from leading global production houses.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 SPLIT 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 & Labour	Parts Only	Parts Only

#### AS Active Solar System

	< 1	1-2	2-5	5-7
Tank	✓	✓	✓	✓
Collector	✓	✓	✓	✓
PM-602	✓	✓	✓	×
Electrical, Valves & Acc.	✓	×	×	×

## Active split pumped systems

— advanced solar water heaters

Experience greater savings, reliability and longevity with Envirosun AS solar hot water systems. Visit [envirosun.com.au](http://envirosun.com.au) for more information on freeze-prone areas and poor water quality suitability.

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

## TANK

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

## COLLECTORS

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

## ELECTRIC BOOSTER

<b>Rating</b>	2.4kW	2.4kW	2.4kW
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GAS BOOSTED	AS315/40Sg	AS400/40Sg	AS400/60Sg
<b>CER code</b>	AS315/40/O/GR26/E20HS-DM	AS400/40/O/GR26/E20HS-DM	AS400/60/O/GR26/E20HS-DM
<b>Storage Capacity</b>	320L	420L	420L
<b>Mass Empty</b>	193kg	165kg	250kg
<b>Mass Full (on roof)</b>	65kg	65kg	95kg
<b>Mass Full (on ground)</b>	422kg	544kg	544kg
<b>Footprint (on roof)</b>	2,270 x 2,050mm	2,270 x 2,050mm	3,362 x 2,050mm
<b>Footprint (on ground)</b>	782 x 617mm	870 x 705mm	870 x 705mm
<b>Boost rate (max)</b>	26L/min	26L/min	26L/min

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## GAS BOOSTER

<b>Gas Consumption</b>	188MJ/hr	188MJ/hr	188MJ/hr
<b>Heat Output</b>	42kW	42kW	42kW



Australian Standard

AS2712: 2007  
Lic. SMK20021  
SAI Global



WaterMark

AS3498 Lic.  
WMKA21707  
SAI Global



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