

STREAMLINE ELECTRIC BOOSTED (OPEN CIRCUIT)

Description

The Solahart Streamline is a split open circuit solar water heater with roof mounted slimline collector panels and a discreet ground mounted tank. It is suitable for use in medium to high solar gain areas.

The Streamline uses copper risers in its collector panels, which transfer the solar energy directly to the water as it is circulated through the panels by an electric pump. The heated water is stored in the ground mounted tank.

The L collector has a black polyester powder coated aluminum absorber to collect the sun's heat and transfer it to the water in the 6 risers. Copper is used for the risers for its high thermal conductivity ensuring the maximum amount of heat energy is passed to the water.

The Streamline electric boosted models are equipped with an in tank booster to ensure a continuous supply of hot water.



Key Features

- Stylish slimline design
- Minimum visual impact
- Electric booster
- Ceramic lined tank for long life
- Toughened, hail resistant collector glass
- Choice of collectors to suit most locations

Key Benefits

- Save 55% to 85% of your water heating energy consumption*
- Hot water regardless of the weather
- Can qualify for valuable government environmental incentives*
- Reduced energy use saves up to 3.3 tonnes of CO₂ emissions every year*
- Peace of mind with Solahart's 5/3/1[†] year warranty

*Savings of 55% - 85% shown are based on Australian Government approved TRNSYS simulation modelling. Savings and incentives 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.

[†]Warranty Details: 5/3/1, 5 year cylinder and collectors, 3 year labour on cylinder, 1 year parts including labour, 1 year labour on collectors; applies to a single family domestic dwelling only. All other applications have a 3/1/1/1, 3 years cylinder, 1 year collectors, 1 year parts, 1 year labour warranty.

Streamline SLV - Electric Boosted Open Circuit Systems

These systems are suitable for multiple installations. These systems are not suitable, nor recommended for frost or harsh water regions.

SBV Systems and SLV Systems

Model	271	272	273	341	342	343	431	432	433	434
Tank Model	270SLV	270SLV	270SLV	340SLV	340SLV	340SLV	430SLV	430SLV	430SLV	430SLV
Collector SLV Series	L	L	L	L	L	L	L	L	L	L
No. of collectors	1	2	3	1	2	3	1	2	3	4

Solar Storage Tank

Tank Model		270SLV	340SLV	430SLV
Storage capacity	litres	270	325	410
	US gal	71.3	85.9	108.3
Delivery capacity (solar)	litres	250	315	400
	US gal	66	83.2	105.7
Boost capacity (electric)	litres	160	200	285
	US gal	42.3	52.8	75.3
Installation		Indoor / Outdoor		
Solar controller kit	PN 299121	1	1	1
Weight empty	kg	70	87	111
	lbs	154	192	245
Weight full	kg	340	412	521
	lbs	750	908	1149
Height	m	1.395	1.640	1.840
	in	54.9	64.6	72.5
Width	m	0.640	0.640	0.690
	in	25.2	25.2	27.2
Depth	m	0.680	0.680	0.730
	in	26.8	26.8	28.7

Collector Installation

Roof area dimensions		1	2	3	4
Length*	m	2.0	2.0	2.0	2.0
	in	78.8	78.8	78.8	78.8
Width*	m	1.2	2.3	3.4	4.5
	in	47.2	90.6	133.9	177.2
Solar kits - L collector					
Collector kit	PN 12104297	1	1	1	1
Collector add on kit	PN 12104405	0	0	1	2

*An additional 0.9m (35.4in) should be left on all four sides of the installation for safe access and servicing.

Water Supply

TPR valve setting	kPa	1000	psi	145
ECV* setting	kPa	850	psi	125
Max. supply pressure with ECV without ECV	kPa	680	psi	100
	kPa	800	psi	115
Min. supply pressure	kPa	200	psi	29
Water Connections	cold	RP $\frac{3}{4}$ /20		
	hot	RP $\frac{3}{4}$ /20		
	solar	DN15 compression fittings (solar hot and solar cold inlets to tank RP $\frac{3}{4}$ /20)		

*Expansion Control Valve (ECV) is not supplied.

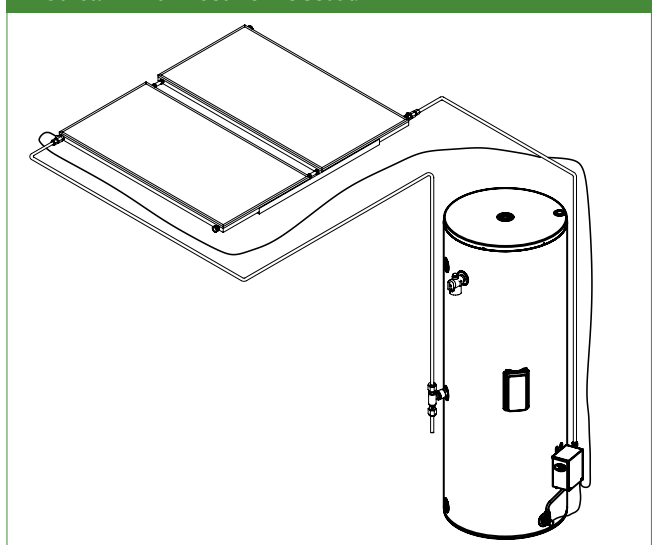
Electric Boost Specifications

Heating unit type	Copper sheath immersion element			
Supply voltage	240V 50Hz			
Recovery rate @ 240 V and temperature rise of:				
Rating	Current	30°C	40°C	50°C
kW	amps	litres/hour	litres/hour	litres/hour
2.4	10	68	52	41
3.6	15	103	77	62
4.8	20	137	103	83

L Collector

Aperture (heating) area	m ²	1.87	ft ²	20
Dimensions	length	mm	in	76.3
	width	mm	in	40.3
	height	mm	in	3.0
Capacity	litres	3	US gal	0.8
Weight	empty	kg	lbs	73
	full	kg	lbs	79
Working pressure	kPa	1000	psi	145
Absorber surface	Black polyester powder coat			
Absorber material	aluminium			
Riser material	copper tube			
Number of risers	6			
Tray material	0.7mm aluminium			
Insulation material - base	38mm polyester blanket			
Glass	3.2mm tempered low iron			

Streamline Electric Boosted



The Streamline SLV system can be installed as a solar preheater with an in-line Solahart gas booster water heater. Refer to the Solahart gas booster specification sheet for further details on the gas booster.