



Split System SLV Series Electric Boost

Description

The Solahart Streamline (open circuit) is a split system solar water heater with roof mounted slimline collectors and a tank that can be installed discreetly on the ground. It is suitable for use in medium to high solar gain areas.

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

This system uses an L collector which has a black polyester powder coated aluminium absorber to collect the sun's heat and transfer it to the water in the risers. Copper is used for the risers for its high thermal conductivity, ensuring the maximum amount of heat energy is passed into the water.



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

Key Features

- **Stylish slimline design**
- **Minimum visual impact**
- **Electric booster**
- **Ceramic lined tank**
- **Toughened, hail resistant collector glass**

Key Benefits

- **Can save up to 50% to 80% of water heating energy consumption***
- **Hot water regardless of the weather**
- **Qualifies for valuable environmental incentives***
- **Reduced energy use can save up to 1.9 to 2.9 tonnes of CO₂ emissions per annum**
- **Peace of mind with Solahart's 5/3/1 year warranty†**

* Energy savings of up to 50% to 80% shown are based on Australian Government approved TRNSYS simulation modelling using a medium load. 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. Refer to solahart.com.au for further information.

† Solahart Warranty Details: 5/3/1 warranty; 5 year cylinder and collectors supply, 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 warranty; 3 years cylinder supply, 1 year collectors, 1 year parts, 1 year labour warranty. In Australia, an amended warranty period may apply where a government rebate has been received for the solar water heater. Phone 1300 769 475 for details.

Streamline SLV - Electric Boosted Open Circuit Systems

These systems are not suitable for harsh water regions.
These systems have limited frost protection.

SBV Systems and SLV Systems

Model	272	273	342	343	432	433	434
Tank Model	270SLV	270SLV	340SLV	340SLV	430SLV	430SLV	430SLV
Collector SLV Series	L	L	L	L	L	L	L
No. of collectors	2	3	2	3	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
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		2	3	4
Length*	m	2.0	2.0	2.0
	in	78.8	78.8	78.8
Width*	m	2.3	3.4	4.5
	in	90.6	133.9	177.2
Solar kits - L collector				
Collector kit	PN 12104297	1	1	1
Collector add on kit	PN 12104405	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	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.
Technical data is subject to change.

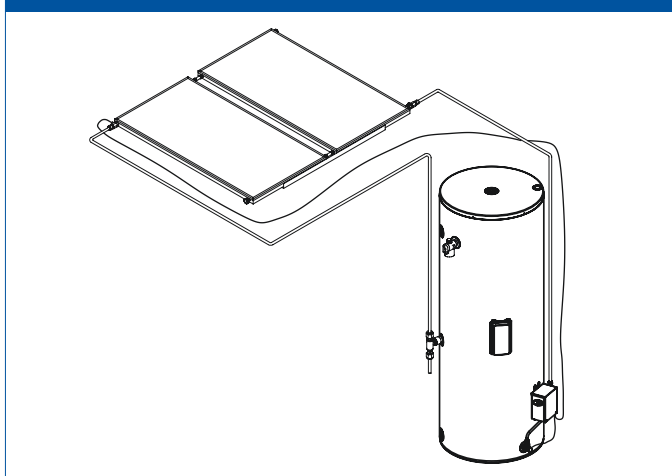
Electric Boost Specifications

Heating unit type	Copper sheath immersion element			
Supply voltage	240V 50Hz			
Recovery rate @ 240 V and temperature rise of:				
Rating kW	Current Amps	30°C litres/hour	40°C litres/hour	50°C 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	1937	in	76.3
	width mm	1022	in	40.3
	height mm	77	in	3.0
Capacity	litres	3	US gal	0.8
Weight	empty kg	33	lbs	73
	full kg	36	lbs	79
Working pressure	kPa	1000	psi	145
Absorber surface	Black polyester powder coat			
Absorber material	aluminium			
Riser material	copper tube			
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 inline Solahart gas booster water heater. Refer to the Solahart gas booster specification sheet for further details on the gas booster.