

# STREAMLINE ELECTRIC BOOSTED

## 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 low 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 Streamline SBT models with their high efficiency, blue sputtered copper collectors and unique tapered risers are suitable for use in frost prone areas below 800m altitude, but they are not recommended in areas with a harsh water supply.

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
- SBT model's unique tapered risers make it suitable for frost prone areas
- 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 3.5 tonnes of CO<sub>2</sub> emissions every year\*
- Peace of mind with Solahart's 5/3/1<sup>†</sup> 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.

<sup>†</sup>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.

# Streamline SBV and SLV - Electric Boosted Open Circuit Systems

These systems are suitable for multiple installations. The SLV systems are not suitable for frost or harsh water regions. The SBV systems are suitable for frost areas below 800 metres altitude, but are not suitable for 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 SBV Series	SBT	SBT	SBT	SBT	SBT	SBT	SBT	SBT	SBT	SBT
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
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
<b>Solar Kits - SBT Collector</b>					
Collector kit	PN 299123	1	1	1	1
Collector add on kit	PN 299125	0	0	1	2
<b>Solar kits - L collector</b>					
Collector kit	PN 12104297	1	1	1	1
Collector add on kit	PN 12104405	0	0	1	2

## 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
Water Connections	cold	RP $\frac{1}{2}$ /15 (cold inlet to tank RP $\frac{3}{4}$ /20)		
	hot	RP $\frac{3}{4}$ /20		
	solar	DN15 compression fitting (solar hot inlet 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	220 V – 250 V			
Recovery rate @ 240 V and temperature rise of:				
Rating	Current	40°C	50°C	60°C
kW	amps	litres	litres	litres
2.4	10	52	41	34
3.6	15	77	62	52
4.8	20	103	83	69

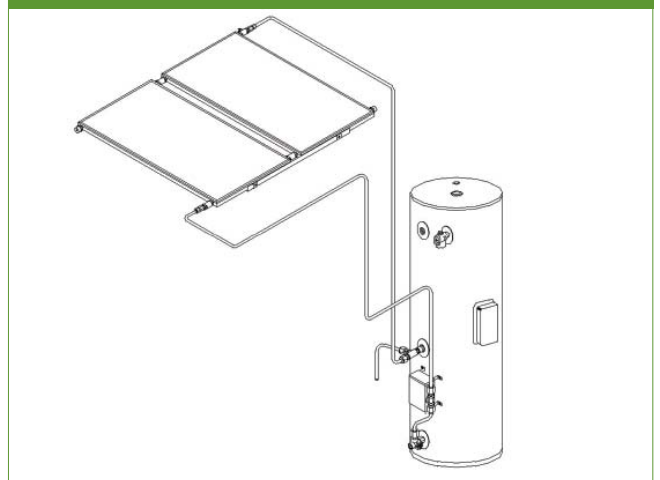
## SBT200 Collector

Aperture (heating) area	m <sup>2</sup>	1.87	ft <sup>2</sup>	20
Dimensions	length	mm	1937	in
	width	mm	1022	in
	height	mm	77	in
Capacity	litres	2.5	US gal	0.7
Weight	empty	kg	36	lbs
	full	kg	39	lbs
Working pressure	kPa	1000	psi	145
Absorber surface	blue tinnox sputtered			
Absorber material	copper			
Riser material	copper sequential tapered tube			
Number of risers	6			
Tray material	0.55 mm Zinalume			
Insulation material	25 mm polyester blanket			
Glass	3.2 mm tempered low iron			

## L Collector

Aperture (heating) area	m <sup>2</sup>	1.87	ft <sup>2</sup>	20
Dimensions	length	mm	1937	in
	width	mm	1022	in
	height	mm	77	in
Capacity	litres	3	US gal	0.8
Weight	empty	kg	33	lbs
	full	kg	36	lbs
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	0.6 mm aluminium			
Insulation material	55 mm polyester blanket			
Glass	3.2 mm tempered low iron			

## Streamline Electric Boosted



The Streamline SBV and SLV systems 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.