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Solar Hot Water Systems

BOSCH
Invented for life

Bosch. Delivering highly efficient Solar Hot Water solutions for a sustainable future.

Why choose **Bosch Solar Hot Water?**

The Bosch mission is to deliver the most reliable and energy efficient hot water appliances to suit the lifestyles of today's modern households. Bosch has one of the largest gas continuous flow hot water product ranges on the market today, and now brings you Bosch Solar Hot Water. Drawing on more than 30 years of global experience with solar products in the Bosch group, the range has been designed to complement the existing Bosch product portfolio and continue to drive the Bosch commitment to environmental sustainability.

Quality Statement. The Robert Bosch promise of quality is the foundation of our business. All Bosch hot water systems are manufactured to the highest possible standards, using premium quality materials. Our Solar Hot Water product range is no different, offering quality products that are reliable and durable.

The Bosch Solar Hot Water range offers the following benefits for you:

- Energy-efficient – saving you money on your energy bills
- Small-scale Technology Certificates (STCs) – registered products: government rebates available[1]
- Reduced greenhouse gas emissions
- Premium quality materials for durability and reliability
- Comprehensive domestic warranties providing you with peace of mind – see page 18

For all footnotes, refer page 19.

Contents

Bosch Solar **FAQs**

Why install a Bosch Solar Hot Water System?

Water heating accounts for 25 per cent of the energy used in an average Australian home, and is also responsible for 23 per cent of the total greenhouse gas emissions from home energy use. More than half of hot water use is in the bathroom, a third is in the laundry and the remainder is in the kitchen.[2]

The installation of a more energy-efficient hot water appliance, such as a Bosch Solar Hot Water System, will reduce greenhouse gas emissions, and save you money on energy bills.

What are the different Solar Systems that are available from Bosch?

Bosch offers two different Solar Hot Water System Series:

Elite Series

- Split Solar
- Rooftop

Classic Series

- Solar Wizard
  Distributed by Robert Bosch (Australia) Pty Ltd

Depending on your situation, one type of Bosch Solar System may be more suitable than another. Read on to find out more about the working technology behind each of the systems.

What size system will I need?

The appropriate size of the Bosch Solar Hot Water System will depend on your location in Australia, as well as how many people it is required to service. Please contact Bosch Hot Water on 1300 30 70 37 for more information on the best system to suit your needs.

Will my Bosch Solar Hot Water System still function in cooler weather conditions?

Yes, even with less sunshine, solar radiation is effective to heat water but at a lower level. Bosch Solar Hot Water Systems have either an electric or gas booster, making sure you always have instant hot water, regardless of the weather outside.

How much does a Bosch Solar Hot Water System cost to install?

A few factors need to be considered:

- Size of storage tank needed
- If an electric or gas-boosted system is required
- If gas-boosted, the size of the gas booster
- Region in Australia (eg prone to cyclones or frost periods)
- Pitch of roof
- Applicable STC rebates, Federal and/or State Government rebates[1]

Please contact Bosch Hot Water on 1300 30 70 37 for more information on the best system to suit your needs.

For all footnotes, refer page 19.

Bosch has developed a list of Frequently Asked Questions (FAQs) to assist you when deciding to purchase a Bosch Solar Hot Water System.

What rebates are available if I install a Bosch Solar Hot Water System?

As an incentive in helping to reduce greenhouse gas emissions, there are generous Federal and/or State Government rebates available[1] which make the purchase of a Bosch Solar Hot Water System very affordable. See page 16 for details or visit www.bosch-climate.com.au

Where on my roof is the best position for the Bosch solar collectors?

For greatest efficiency, the Bosch Solar Hot Water Collectors need to face as due north as possible and be inclined between 10 and 50 degrees from the horizontal. Please contact Bosch on 1300 30 70 37 to discuss your available options.

Is the Bosch Storage Tank installed on the roof with the Solar Collectors?

It depends on the type of the Bosch Solar Hot Water System you choose. For a Split Solar System or a Solar Wizard, the storage tank and solar collectors are separate – collectors are installed on the roof and the tank on the ground. For a Bosch Rooftop System, both the storage tank and solar collectors are installed on the roof. The different Bosch Solar Hot Water products provide flexible installation options to suit your individual circumstances.

For all footnotes, refer page 19.

Bosch Solar **Technology explained**

There are two main types of solar hot water systems available in the Bosch range. Bosch Split Solar Systems and Solar Wizard Systems have the storage cylinder located on the ground and the solar collectors roof-mounted. They are then differentiated depending on whether they are an open-loop (Solar Wizard) or closed-loop (Bosch Elite Split Solar) system.

Alternatively, a Bosch Rooftop Solar System (closed-loop) has both the storage cylinder and the solar collectors mounted on the roof.

Bosch Split Solar Hot Water System

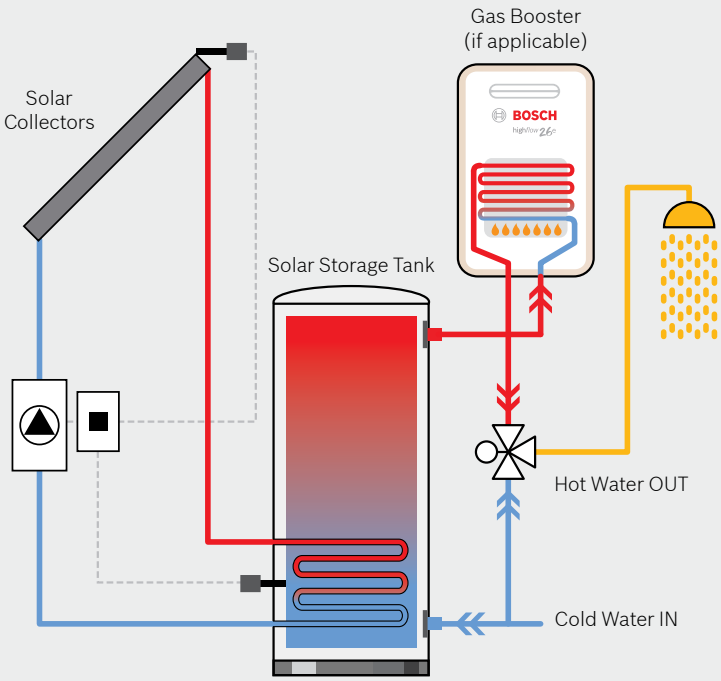

Diagram is for illustration purposes only

Elite Series

Bosch Split Solar System (closed-loop)

The Bosch Split Solar Hot Water System uses a heat exchange principle combined with solar fluid[3]. The solar fluid is pumped from the solar collectors, where it is heated by the sun, into the heat exchange coil in the storage tank. This is where the heat is then transferred into the water contained in the storage cylinder before the solar fluid returns to the solar collectors. This system design makes these products suitable for all types of typical Australian climates and is frost resistant up to -14°C when the collectors are filled with glycol.

To ensure sufficient hot water for use on days of low solar gain, these systems can be installed with either a gas or electric booster.

For all footnotes, refer page 19.

Bosch Rooftop Solar Hot Water System

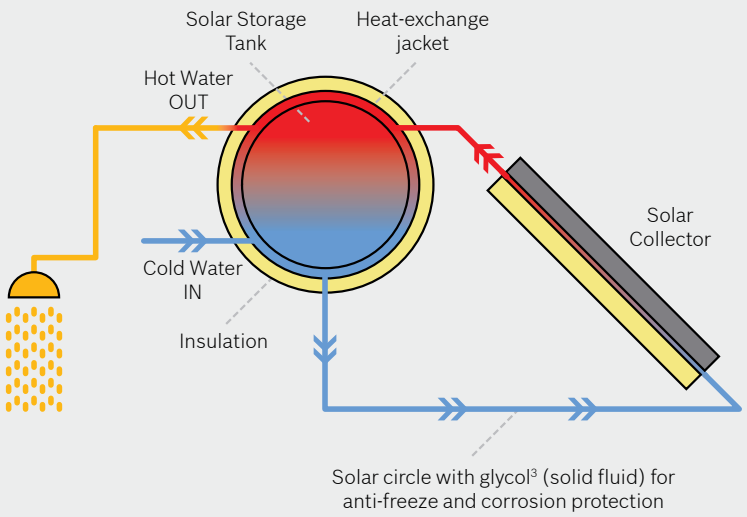

Diagram is for illustration purposes only

Bosch Rooftop Solar System (closed-loop)

The Bosch Rooftop Solar Hot Water System works on the thermosiphon principle in which heated fluid naturally rises. Solar fluid[3] in the solar collectors is heated by the sun and naturally rises to the top of the collector, flowing into the heat-exchange jacket of the storage tank. This is where the heat is transferred into the water contained in the storage cylinder.

During periods of low solar gain, the cool fluid in the collector is not heated, does not rise, and thereby stops the circulation of the solar fluid. In this case, the back-up electric element will ensure enough hot water for your home. This system's design makes it suitable for areas prone to frost and eliminates the need for a pump.

For all footnotes, refer page 19.

Solar Wizard Hot Water System

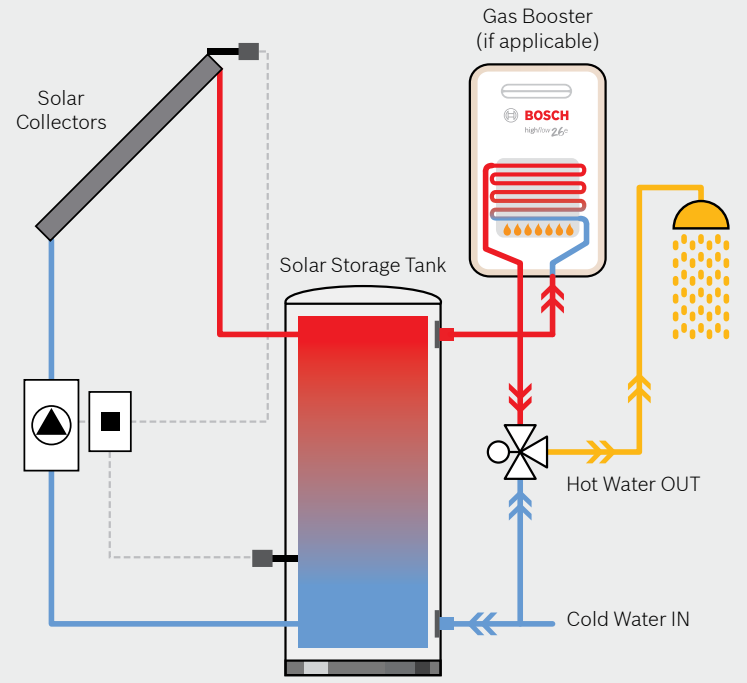

Diagram is for illustration purposes only
(Distributed by Robert Bosch Australia Pty Ltd)

Classic Series

Solar Wizard Systems (open-loop)

The sun's energy is absorbed by the solar collectors and is transferred to the water as usable heat. Cool water from the storage cylinder is pumped to the solar collectors on the roof where the sun's energy is transferred into the water as heat, before being returned to the storage cylinder. This solar-heated hot water is now ready for use in the home.

To ensure sufficient hot water for use on days of low solar gain, these systems can be installed with either a gas or electric booster.

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Elite Series: **Bosch Split Solar System**

Gas Boosted model shown, electric boosted models are also available.

A Bosch Split Solar Hot Water System (closed-loop) provides the ideal solar solution for all types of typical Australian climates, and can be supplied with either electric or gas boosting to suit a wide range of applications.

Features & Benefits:

- System components factory pre-assembled and fitted to the tank and protected from the environment by a uniquely-styled cover panel – giving your system a tidy appearance
- Durable powder-coated external casing on storage tank cover for long life
- Versatile connections make installation easy and flexible (left or right connections)
- High-efficiency European-designed solar collectors that are lightweight and easy to handle
- Collector frame made from weather-resistant, stylish aluminium
- Environmentally friendly – reduced CO_2 emissions
- Energy efficient – saving you money
- STC-registered product[1] (see page 16 for more information)
- Premium quality materials for durability and reliability
- Ideal for all types of typical Australian climates, even areas prone to frost
- Dual anode for longer tank life
- Flexible design of split system with tank on the ground and panels on the roof
- Intelligent Senztek solar controller
- Flat-roof and cyclone area mounting kits also available
- Comprehensive domestic warranties for peace of mind

Each system includes:

- 2 (250L & 340L tank models) or 3 (400L tank model) high-efficiency flat plate European-designed solar collectors (2m² each)
- Collector fixing kit options: Standard, Flat-Roof or Cyclone-Resistant[4]
- 250L, 340L, or 400L vitreous enamel storage tank
- Pump station with premium solar controller
- Gas or electric-boost option:
  - Continuous flow gas hot water system booster [High*flow* 21e or 26e], or
  - 3.6 KW electric heating element
- Glycol (optional)[3] or water as the heat-transfer fluid

Why Choose the Bosch Elite Series?

The Bosch Elite Series is a premium product designed for all types of typical Australian climates and is frost resistant up to -14°C when the collectors are filled with glycol. The high quality of the components used in the system design protects main components against harmful corrosion build-up.

The storage tank has a unique feature, which is a durable cover panel, protecting the factory pre-assembled components, making the installation easier and achieving a longer product life.

The system is also coupled with a comprehensive solar collector warranty, providing peace of mind.

For all footnotes, refer page 19.

Specifications

	Electric Boost			Gas Boost					
Part Number	BSS2C2502E	BSS2C3402E	BSS2C4003E	BSS2C250212	BSS2C250262	BSS2C340212	BSS2C340262	BSS2C400213	BSS2C400263
Collector Fixing Kit Options	One per system required: ▶ Standard (P/n: CLSSTA2, CLSSTA3) ▶ Flat-Roof (P/n: CLSELV2, CLSELV3) ▶ Cyclone Resistant: (P/n: CLSCYC2, CLSCYC3)[4]								
Number of People[5]	1 - 3	2 - 4	3 - 5	2 - 4	2 - 4	3 - 6	3 - 6	4 - 7	4 - 7
Heat Transfer Medium	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water	Glycol[3]/Water
Electric (kW)	3.6	3.6	3.6	-	-	-	-	-	-
Tank Capacity (L)	250	340	400	250	250	340	340	400	400
Number of Collectors	2	2	3	2	2	2	2	3	3
Continuous Flow Gas Booster (if applicable)	-	-	-	YS2170RAH	YS2670RAH	YS2170RAH	YS2670RAH	YS2170RAH	YS2670RAH
Gas Type	-	-	-	NG / LPG	NG / LPG	NG / LPG	NG / LPG	NG / LPG	NG / LPG
Gas Booster Star Rating	-	-	-	5.56	5.53	5.56	5.53	5.56	5.53
Gas Booster Consumption (Mj/H)	-	-	-	170	200	170	200	170	200
Gas Booster L/min (25°C rise)	-	-	-	21	26	21	26	21	26
Max. Inlet Water Pressure Storage Tank (kPa)	650	650	650	650	650	650	650	650	650
Min. Water Pressure Storage Tank (kPa)	200	200	200	200	200	200	200	200	200
Pressure and Temperature Relief Valve (kPa)	850	850	850	850	850	850	850	850	850
Expansion Control Valve (kPa)	700	700	700	700	700	700	700	700	700
Voltage (single phase)	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz
STC Zone 1[1]	27	27	39	24	23	23	22	33	33
STC Zone 2[1]	28	28	40	26	26	25	25	37	37
STC Zone 3[1]	27	26	38	24	24	24	23	34	34
STC Zone 4[1]	23	22	33	21	21	20	20	30	29
Pipe Connection Size									
Cold Water	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)
Hot Water	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)
Solar Flow	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)
Solar Return	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)
Dimensions									
Tank									
Height (mm)	1515	1430	1650	1517	1517	1430	1430	1650	1650
Diameter (mm)	600	700	700	600	600	700	700	700	700
Depth (mm)	800	900	900	800	800	900	900	900	900
Dry Weight (Kg)	137	197	213	137	137	197	197	213	213
Panels (each)									
Width (mm)	1032	1032	1032	1032	1032	1032	1032	1032	1032
Length (mm)	2026	2026	2026	2026	2026	2026	2026	2026	2026
Net Weight (Kg)	30	30	30	30	30	30	30	30	30
Gas Booster									
Width (mm)	-	-	-	350	350	350	350	350	350
Height (mm)	-	-	-	520	600	520	600	520	600
Depth (mm)	-	-	-	170	170	170	170	170	170
Weight (Kg)	-	-	-	19	22	19	22	19	22

For all footnotes, refer page 19.

Elite Series: **Bosch Rooftop Solar System**

A Bosch Rooftop Solar Hot Water System is a 'thermosiphon' solar system (closed-loop) with the storage tank and solar collectors both mounted on the roof. This system's design eliminates the need for a solar pump, and is suitable for all types of typical Australian climates.

Each system includes:

- 2 high-efficiency flat plate European-designed solar collectors (2m² each)
- Collector fixing kit options: Standard, Flat-Roof or Cyclone-Resistant[4]
- 300L storage tank (tank is mounted with the collectors on roof)
- 3.0 KW electric heating element for boosting in cooler weather conditions
- Glycol (optional)[3] or water as the heat-transfer fluid

Features & Benefits:

- Fluid transfer between tank and collectors is achieved by the power provided by the sun, therefore no pump or controller is required which reduces service and maintenance
- High-efficiency European-designed solar collectors that are light-weight and easy to handle
- Collector frame made from weather-resistant, stylish aluminium
- Premium quality materials protect main components against corrosion extending the product life
- Environmentally friendly – reduced CO_2 emissions
- Energy efficient – saving you money
- STC-registered product[1] (see page 16 for more information)
- Ideal for all types of typical Australian climates, even areas prone to frost
- Flat-roof and cyclone area mounting kits also available
- Comprehensive domestic warranties for peace of mind

Specifications

	Model
Part Number	TSS300K36
Collector Fixing Kit Options	One per system required: ▶ Standard (P/n: TSSSTA2) ▶ Flat-Roof: (P/n: TSSELV2) ▶ Cyclone Resistant: (P/n: TSSCYC2)[4]
Number of People[5]	2 - 4
Heat Transfer Medium	Glycol[3] / Water
Electric (kW)	3.0
Tank Capacity (L)	300
Capacity - Primary Circuit (Glycol) Storage Tank (L)	20
Capacity - Secondary Circuit (Water) Storage Tank (L)	280
Number of Collectors	2
Max Operating Pressure - Primary Circuit (Glycol) Storage Tank (kPa)	250
Max Operating Pressure - Secondary Circuit (Water) Storage Tank (kPa)	850
Min. Water Pressure Storage Tank (kPa)	200
Max. Inlet Water Pressure Storage Tank (kPa)	650
Pressure and Temperature Relief Valve (kPa)	850
Expansion Control Valve (kPa)	700
Voltage (single phase)	240v/50Hz
STC Zone 1[1]	28
STC Zone 2[1]	30
STC Zone 3[1]	27
STC Zone 4[1]	23
Dimensions	
Tank	
Width (mm)	1850
Diameter (mm)	580
Dry Weight (Kg)	95
Panels (each)	
Width (mm)	1035
Length (mm)	1965
Net Weight (Kg)	30
Full System Dimensions	
Width (mm)	2365
Length (mm)	2320
Weight full (Kg)	510

For all footnotes, refer page 19.

Classic Series: **Solar Wizard Electric-Boosted**

An Electric-Boosted Solar Wizard Hot Water System provides hot water in situations where an electric tank is being replaced, or when gas connection is not available.

Each system includes:

- 2 flat plate glass solar collectors (2m² each) with frost protection valve[6]
- Collector fixing kit options: Standard, Flat-Roof or Cyclone-Resistant[8]
- Solar collector installation kit, including associated fittings and valves
- 250L, 300L, or 400L vitreous enamel storage tank with electric-boost element

Features & Benefits:

- Flexible design of split system with tank on the ground and panels on the roof allowing for ease of installation
- Solar collectors have low iron prismatic glass for greater solar absorption and efficiency
- Dual plumbed tank connections make installation easy and flexible
- Environmentally friendly – reduced CO_2 emissions
- Energy efficient – saving you money
- STC-registered product[1] (see page 16 for more information)
- High quality materials for durability and reliability
- Three tank capacities to choose from (250L, 300L, or 400L) catering for different household sizes
- Dual anode for longer tank life
- Dual frost protection on each solar collector (via the frost valve and controller[6])[7]
- Intelligent solar controller with frost protection function[6]
- Flat-roof and cyclone area mounting kits also available
- Comprehensive domestic warranties for peace of mind

Specifications

	Model		
Part Number	BSS250E2	BSS300E2	BSS400E2
Collector Fixing Kit Options	One per system required: ▶ Standard (P/n: SOLARSTA2) ▶ Flat-roof (P/n: SOLARELV2)[8] ▶ Cyclone-Resistant (P/n: SOLARCYC2)[8]		
Number of People[5]	1 - 3	2 - 4	4 - 6
Electric (kW)	3.6	3.6	3.6
Tank Capacity (L)	250	300	400
Number of Collectors	2	2	2
Min. Water Pressure Storage Tank (kPa)	200	200	200
Max. Inlet Water Pressure Storage Tank (kPa)	750	750	750
Pressure and Temperature Relief Valve (kPa)	1000	1000	1000
Voltage (single phase)	240v/50Hz	240v/50Hz	240v/50Hz
STC Zone 1[1]	37	38	40
STC Zone 2[1]	40	41	43
STC Zone 3[1]	36	37	39
STC Zone 4[1]	31	32	34
Pipe Connection Size			
Cold Water	20 mm (3/4")	20 mm (3/4")	20 mm (3/4")
Hot Water	20 mm (3/4")	20 mm (3/4")	20 mm (3/4")
Solar Flow	15 mm (1/2")	15 mm (1/2")	15 mm (1/2")
Solar Return	15 mm (1/2")	15 mm (1/2")	15 mm (1/2")
Dimensions			
Tank			
Height (mm)	1325	1545	1600
Diameter (mm)	620	620	710
Dry Weight (Kg)	75	95	112
Panels (each)			
Width (mm)	1200	1200	1200
Length (mm)	2040	2040	2040
Net Weight (Kg)	42	42	42

Solar Wizard is distributed by Robert Bosch (Australia) Pty. Ltd.

For all footnotes, refer page 19.

Classic Series: **Solar Wizard Gas-Boosted**

A Gas-Boosted Solar Wizard Hot Water System offers an energy-efficient way to provide plenty of hot water to cover the hot water demands of your household.

Features & Benefits:

- Flexible design of split system with tank on the ground and panels on the roof allowing for ease of installation
- Solar collectors have low iron prismatic glass for greater solar absorption and efficiency
- Dual plumbed tank connections make installation easy and flexible
- Environmentally friendly – reduced CO_2 emissions
- Energy efficient – saving you money
- STC-registered product[1] (see page 16 for more information)
- LP and Natural Gas options available
- High quality materials for durability and reliability
- Three tank capacities to choose from (250L, 300L, or 400L) catering for different household sizes
- Dual anode for longer tank life
- Dual frost protection on each solar collector (via the frost valve and controller[6])[7]
- Intelligent solar controller with frost protection function[6]
- Flat-roof and cyclone area mounting kits also available
- Comprehensive domestic warranties for peace of mind

Each system comprises the following:

- 2 flat plate glass solar collectors (2m² each) with frost protection valve[6]
- Collector fixing kit options: Standard, Flat-Roof or Cyclone-Resistant[8]
- Solar Collector installation kit, including associated fittings and valves
- 250L, 300L, or 400L vitreous enamel storage tank
- Continuous flow Bosch gas hot water system booster (High*flow* 21e[10] or 26e)
- Premium Pump Station (incl. Senztek Controller)

How Gas Boosting Works:

The hot water from your Bosch Solar tank is connected to the Bosch booster. If the water travelling through the booster is not at the temperature required, the gas booster will automatically ignite to increase the temperature of the water with minimal energy use.[9] When the water is at the desired temperature, the water will simply pass through the booster straight to your taps with no further heating required.

For all footnotes, refer page 19.

Solar Wizard is distributed by Robert Bosch (Australia) Pty. Ltd.

Specifications

	Model				
Part Number	BSS250212	BSS250262	BSS300212	BSS300262	BSS400262
Collector Fixing Kit Options	One per system required: ▶ Standard (P/n: SOLARSTA2) ▶ Elevated (P/n: SOLARELV2)[8] ▶ Cyclone Resistant (P/n: SOLARCYC2)[8]				
Number of People[5]	2 - 4	3 - 6	2 - 4	3 - 6	4 - 7
Tank Capacity (L)	250	250	300	300	400
Number of Collectors	2	2	2	2	2
Continuous Flow Gas Booster	YS2170RAH	YS2670RAH	YS2170RAH	YS2670RAH	YS2670RAH
Gas Type	NG/LPG	NG/LPG	NG/LPG	NG/LPG	NG/LPG
Gas Booster Star Rating	5.56	5.53	5.56	5.53	5.53
Gas Consumption (Mj/H)	170	200	170	200	200
L/min (25°C rise)	21	26	21	26	26
Max. inlet water pressure (kPa)	750	750	750	750	750
Min. water pressure (kPa)	200	200	200	200	200
Pressure and Temperature Relief Valve (kPa)	1000	1000	1000	1000	1000
Voltage (single phase)	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz
STCs Zone 1[1]	37	36	37	37	37
STCs Zone 2[1]	40	40	40	40	40
STCs Zone 3[1]	36	36	36	36	36
STCs Zone 4[1]	31	31	31	31	31
Pipe Connection Size					
Cold Water	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)
Hot Water	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)
Gas	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)	20 mm (3/4”)
Solar Flow	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)
Solar Return	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)	15 mm (1/2”)
Dimensions					
Tank					
Height (mm)	1325	1325	1545	1545	1600
Diameter (mm)	620	620	620	620	710
Dry Weight (Kg)	75	75	95	95	112
Panels (each)					
Width (mm)	1200	1200	1200	1200	1200
Length (mm)	2040	2040	2040	2040	2040
Net Weight (Kg)	42	42	42	42	42
Gas Booster					
Width (mm)	350	350	350	350	350
Height (mm)	520	600	520	600	600
Depth (mm)	170	170	170	170	170
Weight (Kg)	19	22	19	22	22

For all footnotes, refer page 19.

Bosch **Solar Gas Boosters**

Bosch 21e

Bosch 26e

Enjoy the convenience of hot water when you need it most.

The Bosch Gas Booster range provides all of the benefits and convenience of gas hot water heating, ensuring that you have continuous hot water when you need it most.

The Bosch Gas Booster technology is based on convenience. The hot water from your Bosch Solar tank is connected to the Bosch booster. If the water travelling through the booster is not at the temperature required, the gas booster will automatically ignite to increase the temperature of the water with minimal energy use. When the water is at the desired temperature, the water will simply pass through the booster straight to your taps with no further heating required.

Regardless of whether the majority of your hot water is used in the mornings or evenings, gas boosting is often the most energy-efficient, convenient and cost-effective option.

Features & Benefits:

- Energy efficient back-up for your Solar Hot Water System
- 5.5+ star energy efficiency
- Compact design – space-saving
- Solar-compatible
- 3-year parts and labour and 10-year heat exchanger (part only) warranty

Specifications

	Model	
	Bosch 21e Booster	**Bosch 26e Booster**
Part Number	YS2170RAH	YS2670RAH
Installation	External	External
Ignition	Electronic	Electronic
L/min (25°C rise)	21	26
No. of bathrooms	1-2	2-3
Min. operating inlet water pressure (kPa)	100	100
Min. constant water pressure for Max. flow (kPa)	130	230
Max. inlet water pressure (kPa)	1000	1000
Mj/H	170	200
Star Rating	5.56	5.53
Antifrost	Standard	Standard
Gas Type	NG/LPG	NG/LPG
Electrical Supply	AC 230/240V (50Hz) (10amp weatherproof power point required within 500 mm of the unit)	AC 230/240V (50Hz) (10amp weatherproof power point required within 500 mm of the unit)
Pipe Connection Size		
Natural Gas	20 mm (3/4”)	20 mm (3/4”)
LP gas	20 mm (3/4”)	20 mm (3/4”)
Cold Water	20 mm (3/4”)	20 mm (3/4”)
Dimensions		
Width (mm)	350	350
Height (mm)	520	600
Depth (mm)	170	170
Weight (Kg)	19	22
Domestic Warranty		
Parts and Labour	3 Years	3 Years
Heat Exchanger (part only)	10 Years	10 Years

Solar System **Selection Guide**

To make selecting the right Bosch Solar Hot Water System a little easier, please refer to the steps below for either the Elite or Classic Series.

Bosch Elite Series (closed-loop)

Step 1 - Select your preferred product type									
ELECTRIC Boosted				GAS Boosted					
Step 2 - How many people live in your house?									
1 - 3	2 - 4	3 - 5		2 - 4		3 - 6		4 - 7	
Step 3 - Select your Tank and Booster Kit									
Bosch Rooftop P/n: TSS300K36 ▶ 300L solar storage tank incl. electric booster element	**Bosch Split Solar P/n: BSS2C2502E** ▶ 250L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C3402E** ▶ 340L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C4003E** ▶ 400L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C250212** ▶ 250L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C250262** ▶ 250L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C340212** ▶ 340L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C340262** ▶ 340L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C400213** ▶ 400L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	**Bosch Split Solar P/n: BSS2C400263** ▶ 400L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump
Step 4 - Select your Solar Collector Kit (only 1 per solar system required)									
One per system required: ▶ Standard (P/n: TSSSTA2) ▶ Elevated (P/n: TSSELV2) ▶ Cyclone Resistant (P/n: TSSCYC2)[4]	One per system required: ▶ Standard (P/n: CLSSTA2) ▶ Elevated (P/n: CLSELV2) ▶ Cyclone Resistant (P/n: CLSCYC2)[4]		One per system required: ▶ Standard (P/n: CLSSTA3) ▶ Elevated (P/n: CLSELV3) ▶ Cyclone Resistant (P/n: CLSCYC3)[4]	One per system required: ▶ Standard (P/n: CLSSTA2) ▶ Elevated (P/n: CLSELV2) ▶ Cyclone Resistant (P/n: CLSCYC2)[4]				One per system required: ▶ Standard (P/n: CLSSTA3) ▶ Elevated (P/n: CLSELV3) ▶ Cyclone Resistant (P/n: CLSCYC3)[4]	
Step 5 - Select optional heat-transfer fluid (water can be use as standard[3])									
GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]	GLYCOL[3]

Bosch Classic Series (open-loop)

Step 1 - Select your preferred product type							
ELECTRIC Boosted			GAS Boosted				
Step 2 - How many people live in your house?							
1 - 3	2 - 4	4 - 6	2 - 4		3 - 6		4 - 7
Step 3 - Select your Tank and Booster Kit							
Solar Wizard P/n: BSS250E2 ▶ 250L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS300E2** ▶ 300L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS400E2** ▶ 400L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS250212** ▶ 250L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS300212** ▶ 300L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS250262** ▶ 250L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS300262** ▶ 300L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump	**Solar Wizard P/n: BSS400262** ▶ 400L solar storage tank ▶ 26e[10] gas booster ▶ Senztek controller ▶ Solar pump
Step 4 - Select your Solar Collector Kit (only 1 per solar system required)							
One per system required: ▶ Standard (P/n: SOLARSTA2) ▶ Elevated (P/n: SOLARELV2)[8] ▶ Cyclone Resistant (P/n: SOLARCYC2)[8]			One per system required: ▶ Standard (P/n: SOLARSTA2) ▶ Elevated (P/n: SOLARELV2)[8] ▶ Cyclone Resistant (P/n: SOLARCYC2)[8]				

The above system selection tables are to be used as a guide only. Individual circumstances may vary depending on climatic conditions and the volume of water used. Please contact Bosch on 1300 30 70 37 for more information on the best system to suit your needs.

For all footnotes, refer page 19.

Government **Rebates**

At Bosch we are committed to a greener future.

STCs Zoning Map

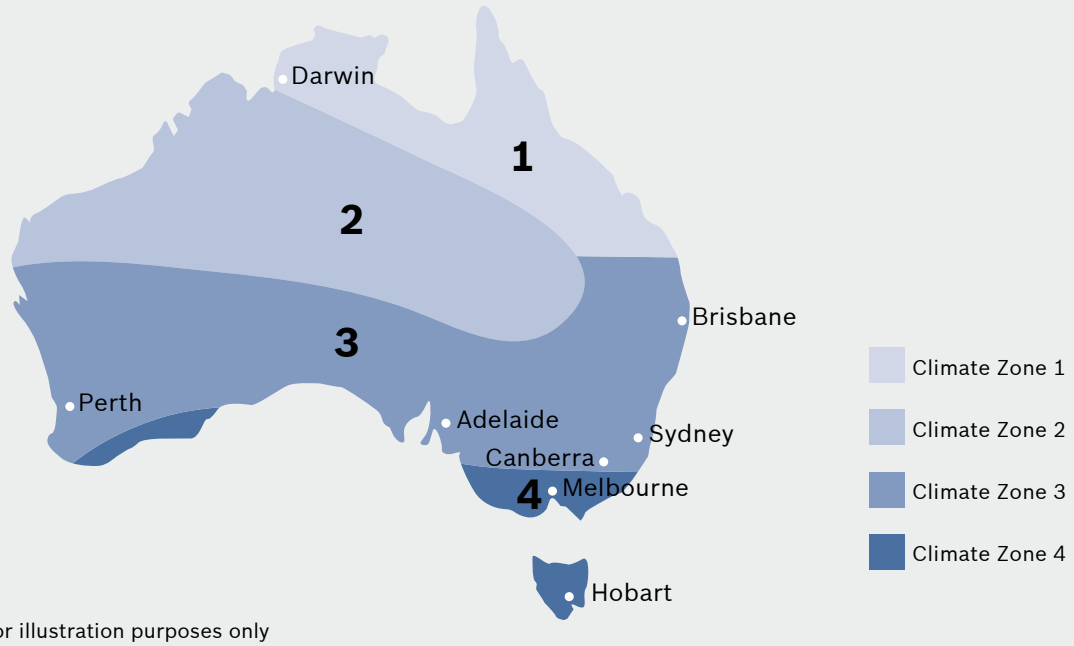

Diagram is for illustration purposes only

The Office of the Renewable Energy Regulator (ORER) awards Small-Scale Technology Certificates (STCs) according to how much energy each Solar Hot Water System saves.

1 STC = 1 Megawatt hour (MWh) of electricity saved

STC rebates are calculated on the basis of four climate zones as shown on the map above. The more STCs a Solar Hot Water System is awarded, the greater the government incentives you will receive upon installation. Bosch Solar Hot Water Systems are typically awarded between 20 and 44 STCs. STCs are awarded a monetary value ($) which fluctuates depending on market demand each week. The STC value being paid for that week would need to be checked at the time of purchase. As an example, if a STC was valued at $30 at your time of purchase, your rebate for a Bosch Solar Hot Water System would be in the vicinity of $600 to $1320[1].

You may also be eligible for an Australian Government Federal Rebate of $1000[11] when installing a Bosch Solar Hot Water System to replace an electric storage hot water system in an existing, privately-owned home. In addition, you may also be eligible for a rebate in your individual state.

The various rebates now available make a Bosch Solar Hot Water System increasingly cost-effective, whilst helping to reduce greenhouse gas emissions.

For more information on government or state rebates, visit, www.bosch-climate.com.au or call 1300 30 70 37.

For all footnotes, refer page 19.

Overview of **Bosch Solar Systems and applicable STCs[1]**

System	Booster or Electric Element	Part Number	STCs (Round 11)[1]			
Elite Series			**Zone 1**	**Zone 2**	**Zone 3**	**Zone 4**
Bosch Split Solar						
GAS						
250L Tank	21e High*flow*	BSS2C250212LP	24	26	24	21
250L Tank	21e High*flow*	BSS2C250212NG	24	26	24	21
250L Tank	26e High*flow*	BSS2C250262LP	23	26	24	21
250L Tank	26e High*flow*	BSS2C250262NG	23	26	24	21
340L Tank	21e High*flow*	BSS2C340212LP	23	25	24	20
340L Tank	21e High*flow*	BSS2C340212NG	23	25	24	20
340L Tank	26e High*flow*	BSS2C340262LP	22	25	23	20
340L Tank	26e High*flow*	BSS2C340262NG	22	25	23	20
400L Tank	21e High*flow*	BSS2C400213LP	33	37	34	30
400L Tank	21e High*flow*	BSS2C400213NG	33	37	34	30
400L Tank	26e High*flow*	BSS2C400263LP	33	37	34	29
400L Tank	26e High*flow*	BSS2C400263NG	33	37	34	29
ELECTRIC						
250L Tank	3.6 kW	BSS2C2502E	27	28	27	23
340L Tank	3.6 kW	BSS2C3402E	27	28	26	22
400L Tank	3.6 kW	BSS2C4003E	39	40	38	33
Bosch Rooftop Solar						
300L Tank	3.0 kW	TSS300K36	28	30	27	23
Classic Series						
Solar Wizard						
GAS						
250L Tank	21e High*flow*	BSS250212LP	37	40	36	31
250L Tank	21e High*flow*	BSS250212NG	37	40	36	31
250L Tank	26e High*flow*	BSS250262LP	36	40	36	31
250L Tank	26e High*flow*	BSS250262NG	36	40	36	31
300L Tank	21e High*flow*	BSS300212LP	37	40	36	31
300L Tank	21e High*flow*	BSS300212NG	37	40	36	31
300L Tank	26e High*flow*	BSS300262LP	37	40	36	31
300L Tank	26e High*flow*	BSS300262NG	37	40	36	31
400L Tank	26e High*flow*	BSS400262LP	37	40	36	31
400L Tank	26e High*flow*	BSS400262NG	37	40	36	31
ELECTRIC						
250L Tank	3.6 kW	BSS250E2	37	40	36	31
300L Tank	3.6 kW	BSS300E2	38	41	37	32
400L Tank	3.6 kW	BSS400E2	40	43	39	34

1 solar collector kit required for each solar system. Refer to page 15.

For all footnotes, refer page 19.

Bosch **Warranty & Service Information**

	Domestic Use[14]					
	Bosch Split Solar		Bosch Rooftop Solar		Solar Wizard	
	Parts	Labour	Parts	Labour	Parts	Labour
Storage Tank	6 Years	1 Year	6 Years	1 Year	5 Years	3 Years
Solar Collectors	8 Years	1 Year	8 Years	1 Year	7 Years	1 Year
Bosch Gas Boosters (21e & 26e)[12]	3 Years	3 Years	-	-	3 Years[14]	3 Years[14]
All other components[13]	2 Years	1 Year	2 Years	1 Year	1 Year[14]	1 Year[14]

For all footnotes, refer page 19.

Warranty Statement

New Bosch Warranty conditions applies to purchases made on / after 1 January 2012, in line with new requirements by the Australian Competition & Consumer Commission (ACCC). For a full copy of the Bosch Warranty Statement, please visit our website www.bosch-climate.com.au or call 1300 30 70 37.

Important note for Australian Consumers

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For Bosch Solar Hot Water Systems installed in commercial applications, please call 1300 30 70 37 to discuss warranty.

Servicing

To ensure your appliance's quality and performance is optimised, Bosch recommends having your Solar System serviced no less than once every 2 years. Having your product inspected and cleaned periodically by an authorised Bosch service technician not only ensures peak operation but also extends the life of the appliance.

For contact details of your nearest service agent please phone our Customer Contact Centre on 1300 30 70 37.

For added peace of mind, all Bosch Solar Hot Water Systems come with comprehensive domestic warranties, supported by our extensive service agent network.

Footnotes

1 STC rebates and values are subject to eligibility requirements and are subject to change without notice. These STC values are current ORER Round 11, and are correct at the time of printing. Refer to www.orer.gov.au for current values.

2 Information obtained from www.yourhome.gov.au accessed in May 2011.

3 In frost-prone areas and areas with a high content of calcium in the water (poor water quality), the use of glycol is required as a heat transfer medium via the solar collectors and circuit. In normal conditions, water can be used.

4 Cyclone-Resistant solar collector kits (Rooftop: TSSCYC2). Split Solar: CLSCYC2 & CLSCYC3) must be used for solar installations in STC Zones 1 and 2 to comply with Bosch Warranty requirements. Please refer to page 16 for a STC Zoning Map, or visit www.orer.gov.au to find out which zone you are in. The Collector Mounting Kit manual must also be referred to when determining which mounting kit is required (refer www.bosch-climate.com.au).

5 Dependant on area in Australia and should be used as a guide only.

6 This is achieved through a function/mode on the solar controller that is selected.

7 Frost protection mechanical valves are designed to discharge water to protect the panel when frost conditions occur. The Bosch Classic Series is suitable for installation in areas that drop to 0°C for short periods only. This Series is not suitable in areas prone to extended periods of frost or sub-zero temperatures. For these areas the Bosch Elite Series (Split Solar System, or Rooftop Solar System) is recommended for maximum frost protection.

8 Cyclone-Resistant solar collector kit (SOLARCYC2), or elevated solar collector kit (SOLARELV2) must be used for solar installations in STC Zones 1 and 2 to comply with Bosch Warranty requirements. Please refer to page 16 for a STC Zoning Map, or visit www.orer.gov.au to find out which zone you are in.

9 Bosch Gas Boosters should be set to 75°C when installed.

10 Bosch High*flow* 21e Booster is not yet available with the 400L storage tank (for Classic Solar Wizard range only).

11 Not available if you have received the Australian Federal Government Ceiling Insulation Rebate. Subject to change without notice and is correct at the time of printing.

12 The solar-compatible Bosch continuous flow water systems include the High*flow* models, 21e (YS2170RAH) and 26e (YS2670RAH). Please ensure that models defined as "H" (for example YS2670RAH) are installed which are designed to receive high incoming water from Bosch Solar Systems. Should they not be used, any failure or service issue in a Bosch Solar Hot Water application would not be covered under the Bosch Warranty. Bosch guarantees the continued quality of our range by providing consumers with a 10-year (part only) warranty on the heat exchanger for these Bosch High*flow* boosters.

13 Components include solar system controller, sensors, thermostats, pumps, valves, electric heating elements and anodes where applicable. For the Solar Wizard range, a 2-year parts and labour warranty is offered on the solar circulating pump.

14 For installations in Victoria, for the Solar Wizard range to comply with State Legislation, the solar circulating pump, solar controller and components within the solar booster are covered by a 5-year parts and labour warranty.