

Solar Hot Water Systems

125 Bosch
Years 1886-2011



BOSCH

Invented for life



Solar Wizard Electric **Boosted Solar**



Protecting the environment today for a sustainable future tomorrow.



Features & Benefits:

- ▶ Environmentally friendly
- ▶ Energy efficient – saving you money
- ▶ STCs registered product (see the back page for more information)
- ▶ Premium quality materials for durability and reliability
- ▶ Available with 250 or 300 Litre tank capacities to cater for different household sizes
- ▶ Modern beige colour tone of tank made from galvanised steel to complement the appearance of your home and increase weather resistance
- ▶ Modular design of split system with tank on the ground and panels on the roof allowing for ease of installation
- ▶ Dual connections for easy installation
- ▶ Dual anode for longer product life
- ▶ Solar collectors are made of low iron prismatic glass which achieves better solar absorption resulting in optimum efficiency of the component
- ▶ Dual frost protection on each solar collector (frost valve and controller[^]) to ensure the longevity of the system^{**}
- ▶ State of the art solar controller with in-built frost protection^{**}
- ▶ Flat roof and cyclone area mounting kits are also available
- ▶ Comprehensive warranties

Solar Wizard Electric **Boosted Solar Hot Water**

Solar Wizard Electric Boosted Solar Hot Water systems provide hot water in instances where an electric tank is being replaced, or when gas connection is not available.

Each system comprises the following:

- ▶ 2 flat plate glass solar collectors (2m²) with frost protection valve^{**}
- ▶ 250L or 300L Vitreous Enamel Storage Tank with electric boost element
- ▶ Pump Kit (Senztek Controller).
- ▶ Associated fittings and valves

Solar Wizard Electric Boosted Solar Specifications

	Model	Model
Part Number	BSS250E2	BSS300E2
Number of People*	1 - 3	2 - 4
Electric Element Rating (kW)	3.6	3.6
Tank Capacity (L)	250	300
Number of Collectors	2	2
Voltage (single phase)	240v/50Hz	240v/50Hz
Maximum Inlet Water Pressure		
Min. water pressure (kPa)	200	200
Max. inlet water pressure (kPa)	750	750
Pressure and Temperature Relief Valve (kPa)	1000	1000
STCs Zone 1	35	34
STCs Zone 2	33	32
STCs Zone 3	35	34
STCs Zone 4	30	29
Pipe Connection Size		
Cold Water	20 mm (3/4")	20 mm (3/4")
Hot Water	20 mm (3/4")	20 mm (3/4")
Solar Flow	15 mm (1/2")	15 mm (1/2")
Solar Return	15 mm (1/2")	15 mm (1/2")
Tank Dimensions		
Height (mm)	1325	1545
Diameter (mm)	620	620
Weight (Kg)	75	95
Panels		
Width (mm)	1200	1200
Length (mm)	2040	2040
Weight (Kg)	44	44

* Dependant on area in Australia

** Frost protection is not suitable for snow affected and alpine areas

[^] Function/mode

Solar Wizard Gas **Boosted Solar**



Solar Wizard Gas Boosted Solar Hot Water

Solar Wizard Gas Boosted Solar Hot Water systems offer an energy efficient way to provide plenty of hot water to meet the usual demands of a household.



Each system comprises the following:

- ▶ Continuous flow Bosch gas hot water system booster (Highflow 21e or 26e).
- ▶ 2 flat plate glass solar collectors (2m²) with frost protection valve**
- ▶ 250L or 300L Vitreous Enamel Storage Tank
- ▶ Pump Kit
- ▶ Associated fittings and valves

Features & Benefits:

- ▶ Environmentally friendly
- ▶ Continuous hot water regardless of weather
- ▶ Energy efficient – saving you money
- ▶ STCs registered product (see the next page for more information)
- ▶ LP and Natural Gas options available
- ▶ Premium quality materials for durability and reliability
- ▶ Available with 250 or 300 Litre tank capacities to cater for different household sizes
- ▶ Modern beige colour tone of tank made from galvanised steel to complement the appearance of your home and increase weather resistance
- ▶ Modular design of split system with tank on the ground and panels on the roof allowing for ease of installation
- ▶ Dual connections for easy installation
- ▶ Dual anode for longer product life
- ▶ Solar collectors are made of low iron prismatic glass which achieves better solar absorption resulting in optimum efficiency of the component
- ▶ Dual frost protection on each solar collector (frost valve and controller[^]) to ensure the longevity of the system**
- ▶ State of the art solar controller with in-built frost protection**
- ▶ Flat roof and cyclone area mounting kits are also available
- ▶ Comprehensive warranties

Solar Wizard Gas Boosted Solar Specifications

	Model	Model	Model	Model
Part Number	BSS250212	BSS250262	BSS300212	BSS300262
Continuous Flow Gas Booster	YS2170RAH	YS2670RAH	YS2170RAH	YS2670RAH
Number of People*	2 - 4	3 - 6	2 - 4	3 - 6
Tank Capacity (L)	250	250	300	300
Number of Collectors	2	2	2	2
Voltage (single phase)	240v/50Hz	240v/50Hz	240v/50Hz	240v/50Hz
Gas Type	NG/LPG	NG/LPG	NG/LPG	NG/LPG
Gas Booster Star Rating	5.56	5.53	5.56	5.53
L/min (25°C rise)	21	26	21	26
Min. Flow (L/Min)	2.5	2.5	2.5	2.5
Gas Consumption (Mj/hr)	170	200	170	200
Max. inlet water pressure (kPa)	750	750	750	750
Min. water pressure (kPa)	200	200	200	200
Pressure and Temperature Relief Valve (kPa)	1000	1000	1000	1000
STCs Zone 1	40	40	40	41
STCs Zone 2	42	42	42	43
STCs Zone 3	40	40	40	41
STCs Zone 4	32	33	32	33
Pipe Connection Size				
Cold Water	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")
Gas	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")
Solar Return	15 mm (1/2")	15 mm (1/2")	15 mm (1/2")	15 mm (1/2")
Tank Dimensions				
Height (mm)	1325		1545	
Diameter (mm)	620		620	
Weight (Kg)	75		95	
Panels				
Width (mm)	1200		1200	
Length (mm)	2040		2040	
Weight (Kg)	44		44	
Booster Dimensions				
Width (mm)	350	350	350	350
Length (mm)	520	600	520	600
Depth (mm)	170	170	170	170
Weight (Kg)	19	22	19	22

* Dependant on area in Australia

** Frost protection is not suitable for snow affected and alpine areas

[^] Function/mode

Government Rebates (STCs)

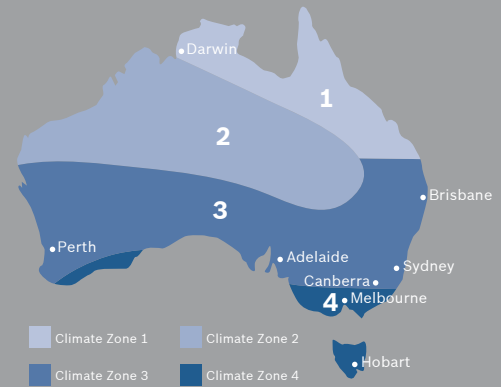
The Office of the Renewable Energy Regulator (ORER) awards Small Scale Technology Certificates (STCs) according to how much energy each Solar Wizard Hot Water System saves.

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

STCs are calculated on the basis of four climate zones as shown in the map to the right. The more STCs a system is awarded, the greater the incentives you will receive upon installation. Solar Wizard Systems are typically awarded between 29 and 43 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.

You may also be eligible for an Australian Government Federal Rebate of \$1000^ when installing a Solar Wizard 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. For more information, please visit our website www.bosch.com.au/hotwater

To view the STCs available for the Solar Wizard Systems please refer to the Product Specifications listed inside this brochure.



*STCs are subject to change without notice and are correct at the time of printing. In addition, STCs are subject to imposed Australian Government eligibility requirements. For further information, please refer to the Office of the Renewable Energy Regulator (www.orer.gov.au)

^Subject to change without notice, in addition to imposed Australian Government eligibility criteria. Figure is correct at the time of printing.

A guide to choosing your Solar Wizard System

		Solar 1	Solar 2	Solar 3	Solar 4	Solar 5	Solar 6
Step 1	How many people do you have in your house?	1 - 3	2 - 4	2 - 4	2 - 4	3 - 6	3 - 6
Step 2	Select your preferred product type	ELECTRIC Boosted	ELECTRIC Boosted	GAS Boosted	GAS Boosted	GAS Boosted	GAS Boosted
Step 3	Select your Tank and Booster Kit	P/n: BSS250E2 ▶ 250L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	P/n: BSS300E2 ▶ 300L solar storage tank incl. electric booster element ▶ Senztek controller ▶ Solar pump	P/n: BSS250212 ▶ 250L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	P/n: BSS300212 ▶ 300L solar storage tank ▶ 21e gas booster ▶ Senztek controller ▶ Solar pump	P/n: BSS250262 ▶ 250L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump	P/n: BSS300262 ▶ 300L solar storage tank ▶ 26e gas booster ▶ Senztek controller ▶ Solar pump
Step 4	Select your Solar Collector Kit (only 1 per solar system required)	Standard solar collector kit (P/n: SOLARSTA2) ▶ includes 2 x solar collectors, 1 x collector installation kit and 1 x standard solar collector fixing kit for pitched roof installations Elevated solar collector kit (P/n: SOLARELV2)* ▶ includes 2 x solar collectors, 1 x collector installation kit and 1 x elevated solar collector fixing kit for flat roof installations Cyclone resistant solar collector kit (P/n: SOLARCYC2)* ▶ includes 2 x solar collectors, 1 x collector installation kit and 1 x cyclone resistant solar collector fixing kit					

For example, when ordering the Solar 3 for a flat roof this will include the Tank and Booster Part Number, BSS250212 and the Elevated Solar Collector Kit Part Number, SOLARELV2.

*Cyclone resistant solar collector kits (SOLARCYC2 or elevated solar collector kit SOLARELV2) must be used for solar installations in STCs zones 1 and 2 to comply with Bosch warranty requirements. Please refer to www.orer.gov.au to find out which zone you are in.

Warranty and Service Information

	Domestic Use					
	Bosch Gas Boosters (21e & 26e)**	Solar Wizard Storage Tank (250L or 300L)	Solar Wizard Collectors	Pump Kit	Components^	
	Heat Exchanger (part only)	All other booster components				
Parts	10 Years	3 Years	5 Years	7 Years	2 years	1 Year
Labour	3 Years	3 Years	3 Years	1 Year	2 years	1 Year

**The solar compatible Bosch continuous flow hot water systems include the Highflow models, 21e (YS2170RAH) and 26e (YS2670RAH). Should these models not be used, any failure or service issue when installed in a Solar Hot Water application is not covered under Warranty.

^ Components include solar system controller, sensors, thermostats, valves, electric heating elements, and anodes where applicable.

Warranty conditions and exclusions apply. Please contact Bosch on 1300 30 70 37 for more information.