

Rinnai



# Sunmaster

Solar Systems





# Close Coupled Systems

A close coupled solar system is where the storage tank and the Solar Collectors are coupled together and the installation is on the roof.

Rinnai Sunmaster Close Coupled Solar Systems use the thermo-syphoning principle (i.e. hot water rises because it is less dense) to circulate the water through the collectors and then to the storage cylinder without the need for a pump.

Supplementary heat is available from an electric element or a Rinnai gas booster if insufficient heat is available from the sun (such as during cloudy or rainy weather or during winter months).

## Features and Benefits

- Low heat loss due to greater insulation.
- Gas or electric booster options.
- Carbon steel tank with a durable vitreous enamel glass lining to protect against corrosion.
- Thermal Arrestor Valve reduces stress on the tank by preventing excessive hot water temperature stored in the tank.
- Very efficient, economical to install and low maintenance.
- No electricity is required to operate pumps to recirculate the water through the collectors.
- Saves space around your building boundary as there is no ground mounted tank.
- Highly efficient performance resulting in high Small Scale Certificates awarded.
- Suitable for region D cyclone areas.



Description	System	Size	Booster	Collectors	Boost capacity	System Selection - No. of people	
						Average usage	High usage
Close Coupled Electric	9	200L	2.4 kW	1 x Enduro	100	3	2
	10	330L	3.6 kW	2 x Enduro	180	6	4
Close Coupled Gas	11	200L	S20	1 x Enduro	20L/min <sup>(1)</sup>	3	2
	12	330L	S26	2 x Enduro	26L/min <sup>(1)</sup>	6	4
Close Enduro Pumped Gas	14-20	200L	S20	1 x Enduro XL	20L / min	3	2
	14-26	200L	S26	1 x Enduro XL	26L / min	6	4

Description	System	Government STC Rebates			
		Z1	Z2	Z3	Z4
Close Coupled Electric	9	18	19	17	16
	10	39	42	37	33
Close Coupled Gas	11	23	27	23	21
	12	39	42	38	33
Close Enduro Pumped Gas	14-20	28	31	27	24
	14-26	28	31	27	24

<sup>(1)</sup>Select booster to match the number of hot water outlets that will operate at the same time.

# Split Systems

A split system is where the storage tank and the solar collectors are split and installed separately.

A solar control unit ensures the water circulates between the solar collectors and the storage tank. This transfers heat from the collectors to the water in the tank if enough heat is available from the sun. An electric element or a Rinnai Gas Booster mounted either on a wall or on the side of the tank will boost the temperature of the solar heated water if necessary.

## We're at your service

The National Customer Care Centre provides first class service and maintenance of your system, ensuring it's running at its highest efficiency - so you can enjoy the Rinnai experience for many years to come.

Operating 5 days a week  
(Monday to Friday)

13 43 73



## Features and Benefits

- Streamlined appearance – minimal impact on the aesthetics of your roofline with only the collectors visible.
- Light weight Australian made steel tank with durable vitreous enamel glass lining to protect against corrosion.
- Tall slimline tank design with a smaller footprint for minimal aesthetic impact.
- Continuous Flow Gas Booster – same technology as the Rinnai INFINITY.
- Electric boosted packages featuring optimized element position.
- High efficiency flat plate collectors.
- Evacuated tube (EVT) systems available for frost protection down to -12°C and flat roof frames available.
- Easy installation.
- Ground mounted tank can be installed internally or externally.
- Gas or electric booster ensures that you will never run out of hot water.
- Collectors and the tank do not need to be installed at the same time.
- Split systems do not require reinforcement of the roof structure, as the weight associated with water storage is at ground level.
- Highly efficient performance resulting in high Small Scale Certificates awarded.
- Suitable for region D cyclone areas.



# Frost Protection

## Installing the Correct System

Certain regions of Australia will occasionally experience low ambient temperatures or be prone to snap frost events throughout the seasons.

In order to ensure a long and trouble free service from a solar hot water system it is essential to install the correct system. All Sunmaster systems have low temperature or frost protection available through the use of Evacuated Tube (EVT) Collectors. These EVT's consist of borosilicate glass with an inner glass tube that provides an inner vacuum for heat retention and frost protection, this principle allows the EVT's to withstand temperatures as low as -12°C as well as generating highly efficient solar gain.

A complete list of postcodes to determine where EVT systems must be installed is found in the solar hot water warranty booklet. Visit our website for more information.



# Sunmaster Solar System Selection

Description	System	Size	Booster	Boost Capacity	Collectors	System Selection No. of People		Government STC Rebate			
						Average Usage	High Usage	Z1	Z2	Z3	Z4
Split Systems Gas Boosted	1	175L	S20	20L/min <sup>(2)</sup>	1x Enduro	5	3	24	28	24	22
	1-XL	175L	S20	20L/min <sup>(2)</sup>	1x Enduro XL <sup>(1)</sup>	5	3	27	30	26	24
	2	175L	S26	26L/min <sup>(2)</sup>	1x Enduro	5	3	24	28	24	22
	2-XL	175L	S26	26L/min <sup>(2)</sup>	1x Enduro XL <sup>(1)</sup>	5	3	27	30	26	24
	3	215L	S20	20L/min <sup>(2)</sup>	2x Enduro	6	4	39	43	39	34
	4	215L	S26	26L/min <sup>(2)</sup>	2x Enduro	6	4	39	43	39	34
	5-XL	270L	S26	26L/min <sup>(2)</sup>	2x Enduro XL	7	5	44	44	42	37
	15	320L	S26	26L/min <sup>(2)</sup>	2x Enduro	8	6	39	43	38	34
	50	175L	S20	20L/min <sup>(2)</sup>	20 x EVT <sup>(1)</sup>	5	3	27	30	26	23
	51	175L	S26	26L/min <sup>(2)</sup>	20 x EVT <sup>(1)</sup>	5	3	27	30	26	23
	52	175L	S20	20L/min <sup>(2)</sup>	25 x EVT <sup>(1)</sup>	5	3	34	38	32	28
	53	175L	S26	26L/min <sup>(2)</sup>	25 x EVT <sup>(1)</sup>	5	3	34	38	32	28
	54	215L	S20	20L/min <sup>(2)</sup>	25 x EVT <sup>(1)</sup>	6	4	33	38	32	28
	55	215L	S26	26L/min <sup>(2)</sup>	25 x EVT <sup>(1)</sup>	6	4	33	38	32	28
56	270L	S26	26L/min <sup>(2)</sup>	25 x EVT <sup>(1)</sup>	7	5	30	32	30	26	
61	270L	S26	26L/min <sup>(2)</sup>	30 x EVT <sup>(1)</sup>	7	5	38	42	36	32	
64	320L	S26	26L/min <sup>(2)</sup>	30 x EVT <sup>(1)</sup>	8	6	38	42	36	32	

<sup>(1)</sup> This system satisfies the requirements for 6 star standard in Victoria when building a new home.

<sup>(2)</sup> Select booster to match the number of hot water outlets that will operate at the same time.

Description	System	Size	Booster	Boost Capacity	Collectors	System Selection No. of People		Government STC Rebate			
						Average Usage	High Usage	Z1	Z2	Z3	Z4
Split Systems Electric Boosted	6M	250L	3.6kW - Mid	150L	2x Enduro	5	3	39	43	38	33
	6B	250L	3.6kW - Btm	250L	2x Enduro	6	5	29	31	29	25
	7M	315L	3.6kW - Mid	170L	2x Enduro	6	4	40	43	39	34
	7B	315L	3.6kW - Btm	315L	2x Enduro	7	6	29	31	29	25
	8M	315L	3.6kW - Mid	170L	3x Enduro	6	4	44	46	46	41
	8B	315L	3.6kW - Btm	315L	3x Enduro	7	6	41	43	40	34
	57M	250L	3.6kW - Mid	150L	25 x EVT <sup>(1)</sup>	5	3	30	32	30	27
	57B	250L	3.6kW - Btm	250L	25 x EVT <sup>(1)</sup>	6	5	28	29	27	23
	58M	315L	3.6kW - Mid	170L	25 x EVT <sup>(1)</sup>	6	4	30	32	30	26
	58B	315L	3.6kW - Btm	315L	25 x EVT <sup>(1)</sup>	7	6	28	28	26	23
	59M	315L	3.6kW - Mid	170L	30 x EVT <sup>(1)</sup>	6	4	38	42	36	32
59B	315L	3.6kW - Btm	315L	30 x EVT <sup>(1)</sup>	7	6	30	30	29	25	

Sunmaster Solar Hot Water Systems	Solar Compatible Gas Boosted <sup>(3)</sup>			Storage Cylinders		Flat Plate Solar Collectors	Evacuated Tube Solar Collectors
	Heat Exchanger	All other components	Vitreous Enamel (Glass) Lined				
			Ground Mounted Tanks	Roof Mounted Tanks			
Domestic Use	Parts	12 Years	3 Years	10 Years	5 Years	7 Years	15 Years
	Labour	3 Years	3 Years	3 Years	3 Years	1 Years	1 Years

# Order Codes

## Split System - Gas Boosted - Flat Plate<sup>(3)</sup>

System Name	Sunmaster System 1-XL	Sunmaster System 2-XL	Sunmaster System 1-XL2	Sunmaster System 2-XL2	Sunmaster System 4-XL	Sunmaster System 5-XL
Pkg Order code	SG1751BL-S20(N/L) <sup>(1)</sup>	SG1751BL-S26(N/L) <sup>(1)</sup>	NA	NA	NA	NA
CER Listing	SG175A1BL	SG175A1BL	SG175A2BL	SG175A2BL	SG215A2BL	SG270A2BL
Components	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty
Storage tank	SG175A 1	SG175A 1	SG175A 1	SG175A 1	SG215A 1	SG270A 1
Solar Collectors	SP250B 1	SP250B 1	SP250B 2	SP250B 2	SP250B 2	SP250B 2
Collector inst' kit	BIKSP1COLL 1	BIKSP1COLL 1	BIKSP2COLLXL 1	BIKSP2COLLXL 1	BIKSP2COLLXL 1	BIKSP2COLLXL 1
Pump kit	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1
Gas booster	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1

## Split System - Gas Boosted - Evacuated Tubes<sup>(2)</sup>

System Name	Sunmaster System 50	Sunmaster System 51	Sunmaster System 52	Sunmaster System 53	Sunmaster System 55	Sunmaster System 56
Pkg Order code	SG175EVT20A-S20(N/L) <sup>(1)</sup>	SG175EVT20A-S26(N/L) <sup>(1)</sup>	SG175EVT25A-S20(N/L) <sup>(1)</sup>	N/A	SG215EVT25A-S26(N/L) <sup>(1)</sup>	SG270SEVT25-S26(N/L) <sup>(1)</sup>
CER Listing	SG175AEVT20A	SG175AEVT20A	SG175AEVT25A	SG175AEVT25A	SG215AEVT25A	SG270AEVT25A
Components	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty
Storage tank	SG175A 1	SG175A 1	SG175A 1	SG175A 1	SG215A 1	SG270A 1
EVT Collector	KEVT20A 1	KEVT20A 1	KEVT25A 1	KEVT25A 1	KEVT25A 1	KEVT25A 1
Pitch roof mtg kit	EVTPT20R5A 1	EVTPT20R5A 1	EVTPT25R5A 1	EVTPT25R5A 1	EVTPT25R5A 1	EVTPT25R5A 1
Tiled roof bracket	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1
Plumb install kit	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1
Pump kit	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT2C 1	SGPKIT3C 1
Gas booster	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1

## Split System - Electric Boosted - Flat Plate<sup>(3)</sup>

System Name	Sunmaster System 6M	Sunmaster System 6B	Sunmaster System 7M	Sunmaster System 7B	Sunmaster System 8M	Sunmaster System 8B
Pkg Order code	SE250AM2B-MID	SE250AB2B-BTM	SE315AM2B-MID	SE315AB2B-BTM	N/A	N/A
CER Listing	SE250AM2B	SE250AB2B	SE315AM2B	SE315AB2B	SE315AM3B	SE315AB3B
Components	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty
Storage tank	SE250AM36 1	SE250AB36 1	SE315AM36 1	SE315AB36 1	SE315AM36 1	SE315AB36 1
Solar Collectors	SP200B 2	SP200B 2	SP200B 2	SP200B 2	SP200B 3	SP200B 3
Collector inst' kit	BIKSP2COLL 1	BIKSP2COLL 1	BIKSP2COLL 1	BIKSP2COLL 1	BIKSP3COLL 1	BIKSP3COLL 1
Pump kit	SEPKITC 1	SEPKITC 1	SEPKITC 1	SEPKITC 1	SEPKITC 1	SEPKITC 1

## Split System - Electric Boosted - Evacuated Tubes<sup>(2)</sup>

System Name	Sunmaster System 57M	Sunmaster System 58M	Sunmaster System 59M	Sunmaster System 59B	Sunmaster System 60B
Pkg Order code	SE250AMEVT25A-MID	SE315AMEVT25A-MID	SE315AMEVT30A	SE315ABEVT30A-BTM	SE250ABEVT30A-BTM
CER Listing	SE250AMEVT25A	SE315AMEVT25A	SE315AMEVT30A-MID	SE315ABEVT30A	SE250ABEVT30A
Components	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty
Storage tank	SE250AM36 1	SE315AM36 1	SE315AM36 1	SE315AB36 1	SE250AB36 1
EVT Collector	KEVT25A 1	KEVT25A 1	KEVT30A 1	KEVT30A 1	KEVT30A 1
Pitch roof mtg kit	EVTPT25R5A 1	EVTPT25R5A 1	EVTPT30R5A 1	EVTPT30R5A 1	EVTPT30R5A 1
Tiled roof bracket	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1	EVTRFRBKTSS 1
Plumb install kit	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1	IKEVTR5A 1
Pump kit	SEPKITC 1	SEPKITC 1	SEPKITC 1	SEPKITC 1	SEPKITC 1

## Close Coupled - Gas Boosted - Flat Plate<sup>(4)</sup>

System Name	Sunmaster 11	Sunmaster 11-26	Sunmaster 11-2B	Sunmaster 12
CER listing	CCSG2001B	CCSG2001B	CCSG2002B	CCSG3302B
Components	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty	Rinnai Code Qty
Storage tank	CCSG20011 1	CCSG20011 1	CCSG20011 1	CCSG33011 1
Collector	SP200B 1	SP200B 1	SP200B 2	SP200B 2
Installation kit	BIKV200CCT01C 1	BIKV200CCT01C 1	BIKV200CCT02C 1	BIKV330CCT02C 1
Gas booster	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1

## Close Coupled - Gas Boosted - Flat plate (low profile)

System Name	Sunmaster 14-20	Sunmaster 14-26
CER listing	CCSG200P1BL	CCSG200P1BL
Components	Rinnai Code Qty	Rinnai Code Qty
Storage tank	CCSG20011 1	CCSG20011 1
Collector	SP250B 1	SP250B 1
Installation kit	BIKV200CCP1XL 1	BIKV200CCP1XL 1
Gas booster	S20(N/L)70 <sup>(1)</sup> 1	S26(N/L)70 <sup>(1)</sup> 1

## Close Coupled - Electric Boosted - Flat plate

System Name	Sunmaster 9-2B	Sunmaster 10
CER listing	CCSE2002B	CCSE3302B
Components	Rinnai Code Qty	Rinnai Code Qty
Storage tank	CCSE200S2411 1	CCSE330S3611 1
Collector	SP200B 2	SP200B 2
Installation kit	BIKV200CCT02C 1	BIKV330CCT02C 1

(1): Specify either N (natural gas) or L (LPG) for gas type

(2): For flat roof installations, the Flat Roof Frame (either EVTFRF20R5 or EVTFRF25R5 or EVTFRF30R5A) needs to be ordered separately. For metal roofing, the Pitch Roof Mtg Kit and Tiled Roof Bracket are NOT required for installation.

(3): For flat roof installations, the Flat Roof Frame (either 33202036 or 33202037 or 33202038) needs to be ordered separately.

(4): For close coupled roof installations, the Flat Roof Frame (either RF180CC12A or RF330CC02A or RF330CC03A) needs to be ordered separately.

Capitalise on great government incentives as Rinnai's solar systems have been developed to maximise performance resulting in a high number of Small Scale Technology Certificates (STCs) being awarded. Visit [www.rinnai.com.au](http://www.rinnai.com.au) and use our incentive calculator.

**Rinnai Australia Pty Ltd**

ABN 74 005 138 769

100 Atlantic Drive,  
Keysborough, Victoria 3173

For further information  
call 1300 555 545 or visit  
[rinnai.com.au](http://rinnai.com.au)

**TOTAL HOME COMFORT**



HOT WATER



HEATING



COOLING

**Rinnai**