

Table 1. Solar hot water systems

Make	Model	Capacity (litres)	Type (collector type, split or close coupled etc)	Tank material	Insulating material	Total collector area (m ²)	No. of tubes or collectors	Collector material	Glass type	Boosting	RRP (before STCs)	Comments	Warranty					
Apricus Australia ph: 1300 277 428 www.apricus.com.au	AE-250-TS-MID-22	250	Evacuated tube system	Stainless steel	Polyurethane foam	3.24	22 tubes	Copper header on a steel backing	Borosilcate glass (twin glass)	Electric	\$4460	-	15 years on manifold tubes, heat pipes and frame, 10 years on tank, 1 year on pump and controller					
	AE-315-TS-MID-30	315				4.35	30 tubes				\$5185							
	AE-315-30	315				4.35	30 tubes				POA							
	AE-315-GL-BOT-30	315				4.35	30 tubes				\$4485							
	AE-315-GL-MID-30	315		4.35		30 tubes	\$4485											
	AE-250-GL-BOT-22	250		3.24		22 tubes	\$3905											
	AE-250-GL-MID-22	250		3.24		22 tubes	\$3905											
	AE-400-GL-MID-30	400		4.35		30 tubes	\$4825											
	AE-400-GL-BOT-40	400		5.92		40 tubes	\$5575											
	AE-400-GL-MID-40	400		5.92		40 tubes	\$5575											
	AC-315-TS-26N-30	315		Stainless steel		4.35	30 tubes			Gas	\$7165			15 years on manifold tubes, heat pipes and frame, 10 years on tank, 1 year on pump and controller				
	AC-315-GL-26N-30	315				Vitreous enamel lined mild steel	4.35				30 tubes				\$5015	15 years on manifold tubes, heat pipes and frame, 5 years on tank, 1 year on pump and controller		
	AC-400-GL-26N-40	400		5.92			40 tubes			\$5660								
Chromagen Pty Ltd ph: 1300 367 565 info@chromagen.com.au www.chromagen.com.au	Chromagen SmartLine 200 Integrated Gas - Open Loop	200	Split system with integrated gas	Vitreous enamel lined mild steel	Polyurethane foam	2.6 to 4.3	1 - 2 collectors	Ultra-selective blue sputtered coating or selective black paint. Dependent on individual application.	Low-iron, tempered glass	Gas	POA	Both flate plate and evacuated tube available. Collector type is determined by roof orientation and/or climate. Visit chromagen.com.au for a solar hot water guide including more detail and other system options.	5 years tank cylinder and collectors with 3 years labour. All other, 1 year parts and labour					
	Chromagen SplitLine 200 - Open Loop													300	Split system	4.3 to 6.4	2 - 3 collectors	Gas / electric
	Chromagen SplitLine 200 - Closed Loop																	
	Chromagen SplitLine 300 - Open Loop	400	Close-coupled			2.6	1 collector			Gas								
	Chromagen SplitLine 300 - Closed Loop																	
	Chromagen SplitLine 400 - Open Loop	300	Close-coupled			4.3	2 collectors			Gas / electric								
	Chromagen Roofline 200 - Open Loop																	
	Chromagen Roofline 300 - Open Loop																	
	Chromagen Roofline 300 - Closed Loop	400	4.3			2 collectors												
ECOSOLAR ph: 0800 ECOSOLAR (NZ) or +64 9 442 0996 info@ecosolar.co.nz www.ecosolar.co.nz	EC180DB 2.8ST	180	Closed loop drainback, split system, flat-plate collectors	Duplex grade stainless steel	Glasswool	2.8	1 collector	Copper plate, copper pipes	Prismatic low-iron safety glass	Electric	POA	-	5 years on collectors and tank and 1 year on pump					
	EC330DB 4.6ST	330				4.6	2 collectors											
	EC330DB 5.6ST	330				5.6	2 collectors											
	EC425DB 6.9ST	425				6.9	3 collectors											
	EC180OL 2.8ST	180	Open loop, split system, flat-plate collectors			2.8	1 collector											
	EC330OL 4.6ST	330				4.6	2 collectors											
	EC330OL 5.6ST	330				5.6	2 collectors											
	EC425OL 6.9ST	424				6.9	3 collectors											
	Commercial DB	As per design	Closed loop drainback, split system, flat-plate collectors			As per design	As per design							Commercial systems designed to suit application				

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Edson Pty Ltd ph: 1300 880 154 www.edson.com.au	ES-250-20	250	Evacuated tube system	Stainless steel	Polyurethane foam	3.14	20 tubes	Copper header on an anodised aluminium backing	Borosilicate glass (twin glass)	Electric	POA	Includes all valves and fittings	15 years on manifold tubes, heat pipes and frame, 20 years on tank, 1 year on pump and controller, 5 years on valves							
	ES-250-30	250				4.63	30 tubes													
	ES-315-20	315				3.14	20 tubes													
	ES-315-30	315				4.63	30 tubes													
	ES-315-40	315				6.28	40 tubes													
	ES-400-30	400				4.63	30 tubes													
	ES-400-40	400				6.28	40 tubes													
	ES-250-20-20LP	250				3.14	20 tubes													
	ES-250-20-26LP	250				3.14	20 tubes													
	ES-250-30-20LP	250				4.63	30 tubes													
	ES-250-30-26LP	250				4.63	30 tubes													
	ES-315-20-20LP	315				3.14	20 tubes													
	ES-315-20-26LP	315				3.14	20 tubes													
	ES-315-30-30LP	315				4.63	30 tubes													
	ES-315-30-26LP	315				4.63	30 tubes													
	ES-315-40-26LP	315				6.28	40 tubes													
	ES-400-30-26LP	400				4.63	30 tubes													
	ES-400-40-26LP	400				6.28	40 tubes													
	ES-250-20-20NG	250				3.14	20 tubes													
	ES-250-20-26NG	250				3.14	20 tubes													
	ES-250-30-20NG	250				4.63	30 tubes													
	ES-250-30-26NG	250				4.63	30 tubes													
	ES-315-20-20NG	315				3.14	20 tubes													
	ES-315-20-26NG	315				3.14	20 tubes													
	ES-315-30-20NG	315				4.63	30 tubes													
	ES-315-30-26NG	315				4.63	30 tubes													
	ES-315-40-26NG	315				6.28	40 tubes													
	ES-400-30-26NG	400				4.63	30 tubes													
ES-400-40-26NG	400	6.28	40 tubes																	
Endless Solar ph: 1300 889 585 info@endless-solar.com www.endless-solar.com	ES-E-160-10	160	Modular split system. High efficiency evacuated tube collector. Naturally frost tolerant (no glycol required). Mains pressure	Australian-made marine-grade stainless steel. No sacrificial anode required. Highly insulated	Polyurethane	1.6	10 tubes	Anodised aluminium manifold with copper heat exchanger, evacuated tubes with centralised copper heat pipes, and stainless steel mounting frame	High impact-resistance borosilicate glass tubes. Complies with Australian Standard 2712:2007	Electric (bottom 3.6kW). Mid element also available	POA	Australian designed and proven in the Australian climate for over 10 years. Frost tolerant to -15°C (does not require glycol). Very effective in winter and colder climates. Australian Standards approved and Watermarked.	15 years on major components							
	ES-E-250-20	250				3.1	20 tubes													
	ES-E-315-30	315				4.6	30 tubes													
	ES-E-315-40	315				6.2	40 tubes													
	ES-G-250-21N-20	250				3.1	20 tubes													
	ES-G-315-21N-30	315				4.6	30 tubes													
	ES-G-315-26N-40	315				6.2	40 tubes													
	Commercial models	As required				As required	As required			As required	As required			As required	As required	As required	As required	As required	Custom designed and computer modelled to suit application	5 years on major components
	Industrial models																			
	Genersys Solar Australia Pty Ltd, distributed By SolarArk ph: 0406 486 779 ph: 0416 360 034 www.solarark.com.au col.young@solarark.com.au www.gensys.com.au	1450 Vacuum Flat Plate collector				200 upwards	Mains pressure, closed circuit heat exchanger, flat-plate collectors			Stainless steel	Glasswool/ polyurethane			1.698 (actual collecting surface area)	-	Vacuum design, aluminium (AlMg) one-piece construction, aluminium oxide highly selective surface	Safety solar ESG white glass 4mm	Gas, condensing heat pump, biomass	POA	High-end domestic, commercial, industrial and swimming pool use. 10 panels connected in series.
1000-10 collector		1.74 (actual collecting surface area)	Aluminium (AlMg) one-piece construction, aluminium oxide highly selective surface	Available as horizontal mounted panel, model 1000-10H. High-end domestic & commercial use. 10 panels in series																

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Rheem Australia Pty Ltd ph: 132 552 www.rheem.com.au	52H180K/1S-G	180	Premier Hiline roof mounted, close-coupled. Suitable for frost-prone areas & areas with poorer water quality.	Stainless steel	Polyurethane	2	1 collector	Mild steel	Low-iron tempered	Gas	POA	Space-saving design. Low-maintenance, no pump required	7 years cylinder, 5 year solar collectors, 1 year labour on cylinder, 1 year parts inc labour. Applies to domestic installations only.		
	52H300K/2S-G	300				4	2 collectors								
	52H180/1S	180				2	1 collector			Electric					
	52H300K/2S	300				4	2 collectors								
	52C180/1NPT-G	180	Premier Hiline roof mounted, close-coupled. Suitable for frost-prone areas & areas with poorer water quality.	Vitreous enamel lined mild steel		2	1 collector	Aluminium		Gas		Electric		Space-saving design. Low-maintenance, no pump required.	5 years cylinder, heat exchanger and solar collectors, 3 year labour on cylinder and heat exchanger, 1 year parts inc labour. Applies to domestic installations only.
	52C300/2NPT-G	300				4	2 collectors								
	52C180/1NPT	180				2	1 collector								
	52C300/2NPT	300				4	2 collectors								
	52S160/1NPT-G	160	Hiline roof mounted	Vitreous enamel lined mild steel		2	1 collector	Aluminium		Gas		Electric		Space-saving design. Low-maintenance, no pump required. Suitable for warmer climates	
	52S300/2NPT-G	300				4	2 collectors								
	52S160/1NPT	160				2	1 collector								
	52S300/2NPT	300				4	2 collectors								
	596270/2S	270	Premier Loline split system. Suitable for frost-prone areas and areas with poorer water quality.	Vitreous enamel	4	2 collectors	Mild steel	Gas	Split design reduces the structural load on the roof						
	596270/3S	270			6	3 collectors									
	590270/2S-G	270			4	2 collectors									
	590270/3S-G	270			6	3 collectors									
	59120/2S	270			4	2 collectors		Electric							
	591270/3S	270			6	3 collectors									
	511160/1TBT26-G	160	Loline split system	Vitreous enamel	2.6	1 collector	Copper	Gas	Suitable for cooler climates						
	511271/2NPT-G	270			4	2 collectors	Aluminium								
	511325/2NPT-G	325			4	2 collectors									
	511410/3NPT-G	410			6	3 collectors									
	511271/2NPT	270			4	2 collectors		Electric							
	511325/2NPT	325			4	2 collectors									
	511410/3NPT	410			6	3 collectors									
	L11	180			Mains pressure close-coupled. Suitable for non-frost areas	Stainless steel	Polyurethane			2	1 collector	Copper/aluminium (Australis, Australis 10 collectors) or titanium coated copper absorber (Titan collectors)	Low-iron tempered	Electric	POA
	L32	305	4	2 collectors											
	L11 GS	180	2	1 collector				Gas							
L32 GS	305	4	2 collectors												
LX11	180	Mains pressure close-coupled. Heat-exchange frost protection	Stainless steel	2	1 collector	Copper/aluminium (Australis, Australis 10 collectors) or titanium coated copper absorber (Titan collectors)		Low-iron tempered	Electric	POA	*Australis collector - aluminium with copper tubing. *Titan collector - Titanium coated copper with copper tubing.	7 or 10 years on cylinder depending on system			
LX32	305			4	2 collectors										
LX11 GS	180			2	1 collector				Gas						
LX32 GS	305			4	2 collectors										

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Rinnai Solar ph: 1300 555 545 www.rinnai.com.au	SS180H1EXT	180	Close-coupled	Stainless steel	Glass wool/ Polyurethane	2	1 collector	Aluminium / copper TiNOX absorber	Low-iron tempered	Electric 2.4 kW or 3.6 kW	POA	Australian-made collectors using high-performance selective surface. Australian-made stainless steel tanks. Frost-tolerant collectors available for temperatures as low as -6°C. Dedicated continuous flow gas booster, same technology as the Rinnai Infinity. High STCs awarded due to high performance of the system	5 years on vitreous enamel lined tanks, 10 years on stainless steel tanks 7 years on flat-plate collectors, 15 years on evacuated tube collector 12 years on gas booster heat exchanger	
	SS330H2EXT	330		4		2 collectors								
	CCSE2001A	200		2		1 collector								
	CCSE3302A	330		4		2 collectors								
	SS180H1EXTRG	180		2		1 collector								
	SS330H2EXTRG	330		4		2 collectors								
	CCSG2001A	200		2		1 collector								
	CCSG3302A	330		4		2 collectors								
	MSS250H2EXT	250		Split system		Stainless steel	4	2 collectors		Aluminium / copper TiNOX absorber				Electric 2.4 kW or 3.6 kW
	MSS315H2EXT	315				4	2 collectors							
	SM250SL2A	250				4	2 collectors							
	SM315SL2A	315				4	2 collectors							
	SS2502EXTRG	250	4		2 collectors									
	SS3152EXTRG	315	4		2 collectors									
	SG1751A	175	2		1 collector									
	SG1751L	175	2.4		1 collector									
	SG2152A	215	4		2 collectors									
	SG270SL2A	270	4		2 collectors									
	MSS250HEVT25A	250	4.1		25 tubes	Aluminium header and frame assembly with copper heat pipes	Borosilicate glass	Electric 2.4 kW or 3.6 kW						
	MSS315HEVT30A	315	4.9		30 tubes									
	SM250SLEVT25A	250	4.1		25 tubes									
	SM315SLEVT30A	315	4.9		30 tubes									
	SS250EVT25ARG	250	4.1		25 tubes									
	SS315EVT30ARG	315	4.9		30 tubes									
	SG175EVT20A	175	3.3		20 tubes			S20 or S26 Rinnai continuous flow gas						
	SG175EVT25A	175	4.1		25 tubes									
	SG215EVT25A	215	4.1	25 tubes										
	SG270SLEVT30A	270	4.9	30 tubes										
	Commercial systems	Varies	Varies	Varies	Varies				Varies	Heavy duty gas	Contact Rinnai with your project and a system can be tailor-made to maximise your return on investment	5 years on stainless steel tanks, 5 years on heavy duty continuous flow heat exchanger		

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Run On Sun Australia Pty Ltd ph: (02) 6734 6322 www.runonsun.com.au	ROSAHP150EL	160	Close-coupled evacuated tubes with copper heat pipes	316L marine grade stainless steel	Polyurethane foam	2.8	18 tubes	Selective surface, Sydney tubes with 2mm thick glass plus copper heat pipes	Borosilicate glass (twin glass) 2mm thick	Electric 2-Kw	\$3160	Includes all valves required, pipe insulation, spare tubes, 2mm stainless steel frame, cyclone mount kit and free freight	7 years on the tank 14 years on the evacuated tubes 14 years on the frame and mounting kit.
	ROSAHP200EL	220				3.8	24 tubes			Electric 2-Kw	\$3830		
	ROSAHP250EL	270				4.8	30 tubes			Electric 2-Kw	\$4265		
	ROSAHP150G	160				2.8	18 tubes			Gas Bosch 21e	\$4132		
	ROSAHP200G	220				3.8	24 tubes			Gas Bosch 21e	\$4800		
	ROSAHP250G	270				4.8	30 tubes			Gas Bosch 21e	\$5265		
	SPLIT250-24EL	270	Split system with evacuated tube collectors	Vitreous enamel lined mild steel	Polyurethane foam	3.8	24 tubes	AIN/AIN-SS/CU surface, Sydney tubes with 2mm thick glass plus copper heat pipes. Stainless steel manifold housing	Borosilicate glass (twin glass) 2mm thick	Electric mid	\$3390	Includes Grundfos pump station that can attach to the tank. Electric-boosted models with mid-element boost. Optional cost-price valve kit and brassware with insulation gloves	10 years on the tank 14 years on the evacuated tubes 14 years on the frame and mounting kit 5 years on the pump and controller
	SPLIT315-30EL	340				4.8	30 tubes			Electric mid	\$3690		
	SPLIT400-48EL	450				7.6	48 tubes			Electric mid	\$4490		
	SPLIT250-24G	270				3.8	24 tubes			Gas Rinnai S21	\$4090		
	SPLIT315-30G	340				4.8	30 tubes			Gas Rinnai S21	\$4350		
	SPLIT400-48G	450				7.6	48 tubes			Gas Rinnai S21	\$5090		
	SPLIT315-30G26	340				4.8	30 tubes			Gas Rinnai S26	\$4550		
	SPLIT400-48G26	450				7.6	48 tubes				\$5290		
Retrofit evacuated tube collector	NA	Evacuated tube collector	NA	Rockwool	1.8	12 tubes	AIN/AIN-SS/CU surface, Sydney tubes with 2mm thick glass plus copper heat pipes. Stainless steel manifold housing	Borosilicate glass (twin glass) 2mm thick	Existing tank	\$720	Includes evacuated tube collector with a 2mm thick stainless steel frame. Optional pump, controller, air/steam eliminator and a one-way valve \$350. AC or DC pump available	14 years on the evacuated tubes 14 years on the frame 5 years on the pump and controller	
					2.8	18 tubes			\$1010				
					3.8	24 tubes			\$1340				
					4.8	30 tubes			\$1550				
Solahart ph: (02) 9684 9100 www.solahart.com.au	181Jg or KFg	180	Mains pressure close-coupled. Closed circuit heat exchanger. Suitable for frost and/or poor water areas.	Vitreous enamel lined mild steel	Polyurethane	2	1 collector	Mild steel J = non-selective surface KF = selective surface chrome black	Low iron	Gas	Ask your local dealer for a free onsite quote	300 litre range also available in a 'Free Heat' version with an extended warranty	For single family domestic dwellings, standard thermosiphon series is 5/5/5: 5 years supply tank and collectors, 5 years labour tank and collectors, 5 years components supply and labour, Free Heat series is 10/5/5: 10 years supply tank and collectors, 5 years labour tank and collectors, 5 years components supply and labour
	222Jg or KFg	220				4	2 collectors						
	302Jg or KFg	300				4	2 collectors						
	443Jg or KFg	440				6	3 collectors						
	181J or KF	180				2	1 collector			Electric			
	222J or KF	220				4	2 collectors						
	302J or KF	300				4	2 collectors						
	443J or KF	440				6	3 collectors						
	181Lg	180	Mains pressure close-coupled system. Suitable for non-frost and good water areas.	Vitreous enamel lined mild steel	Polyurethane	2	1 collector	Aluminium L = non-selective surface LCS = selective surface	Low iron	Gas	300 litre range also available in a 'Free Heat' version with an extended warranty	300 litre range also available in a 'Free Heat' version with an extended warranty	For single family domestic dwellings, split series is 5/3/2: 5 years supply tank and collectors, 3 years labour tank and collectors, 2 years components supply and labour
	222Lg	220				4	2 collectors						
	302Lg or LCSDg	300				4	2 collectors						
	443Lg	440				6	3 collectors						
	181Lg	180				2	1 collector			Electric			
	222Lg	220				4	2 collectors						
	302L or LSCD	300				4	2 collectors						
	443Lg	440				6	3 collectors						
	272MLVg	270	Mains pressure split system. Suitable for non-frost and good water areas. Limited frost protection.	Vitreous enamel lined mild steel	Polyurethane	4	2 collectors	Aluminium L = non-selective surface	Low iron	Gas	Models with a selective surface collector are available for southern areas	Models with a selective surface collector are available for southern areas	For single family domestic dwellings, split series is 5/3/2: 5 years supply tank and collectors, 3 years labour tank and collectors, 2 years components supply and labour
	322MLVg	320				4	2 collectors						
	412MLVg	410				4	2 collectors						
	413MLVg	410				6	3 collectors						
272MLV	270	4				2 collectors	Electric						
322MLV	320	4				2 collectors							
412MLV	410	4				2 collectors							
413MLV	410	6				3 collectors							

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SolarArk Pty Ltd ph: 0406 486 779 www.solarark.com.au col.young@solarark.com.au www.genersys.com.au	SA-M-20-VE250	250	Split system	Vitreous enamel lined mild steel	Polyurethane	2.96	20 tubes	Aluminium manifold with SolarArk copper heat exchanger, Tri Target evacuated tube with copper heat pipe, and stainless steel mounting frame	2mm thick borosilicate glass	Electric	POA	Australian designed and owned. Meets all Australian standards including Watermark	15 years on major components							
	SA-M-30-VE250	250				4.35	30 tubes													
	SA-M-20-VE315	315				2.96	20 tubes													
	SA-M-30-VE315	315				4.35	30 tubes													
	SA-M-40-VE315	315				5.92	40 tubes													
	SA-M-30-VE400	400				4.35	30 tubes													
	SA-M-40-VE400	400				5.92	40 tubes													
	SA-M-30-VE500	500				4.35	30 tubes													
	SA-M-30-VE630	630				4.35	30 tubes													
	SA-M-40-VE630	630				5.92	40 tubes													
	SA-M-60-VE630	630				8.7	60 tubes													
	SAC-M-60-VE945	945				8.7	60 tubes													
	SA-M-20-SS250	250				2.96	20 tubes													
	SA-M-30-SS250	250				4.35	30 tubes													
	SA-M-20-SS315	315				2.96	20 tubes													
	SA-M-30-SS315	315				4.35	30 tubes													
	SA-M-40-SS315	315				5.92	40 tubes													
	SA-M-30-SS400	400				4.35	30 tubes													
	SA-M-40-SS400	400				5.92	40 tubes													
	SA-M-30-SS500	500				4.35	30 tubes													
	SA-M-40-SS630	630				5.92	40 tubes													
	SA-M-60-SS630	630				8.7	60 tubes													
	SAC-M-60-SS945	945				8.7	60 tubes													
	SAC-M-90-SS945	945				13.05	90 tubes													
	SA-R-20-VE-G250-20N/LPG	250				2.96	20 tubes													
	SA-R-20-VE-G250-26N/LPG	250				2.96	20 tubes													
	SA-R-20-VE-G315-20N/LPG	315				2.96	20 tubes													
	SA-R-20-VE-G315-26N/LPG	315		2.96		20 tubes														
	SA-R-30-VE-G315-20N/LPG	315		4.35		30 tubes														
	SA-R-30-VE-G315-26N/LPG	315		4.35		30 tubes														
	SA-R-40-VE-G315-26N/LPG	315		5.92		40 tubes														
	SA-R-40-VE-G315-32N/LPG	315		5.92		40 tubes														
	SA-R-30-VE-G400-26N/LPG	400		4.35		30 tubes														
	SA-R-40-VE-G400-26N/LPG	400		5.92		40 tubes														
	SA-R-40-VE-G400-32N/LPG	400		5.92		40 tubes														
	SAC-G-60-VE-G945-32N1	945		8.7		60 tubes														
	SAC-G-90-VE-G945-32N1	945		13.05		90 tubes														
	SA-G-20-SS250-G-20N/LPG	250		2.96		20 tubes														
	SA-G-20-SS250-G-26N/LPG	250		2.96		20 tubes														
	SA-G-30-SS250-G-20N/LPG	250		4.35		30 tubes														
	SA-G-30-SS250-G-26N/LPG	250		4.35		30 tubes														
	SA-G-20-SS315-G-20N/LPG	315		2.96		20 tubes														
	SA-G-20-SS315-G-26N/LPG	315		2.96		20 tubes														
	SA-G-30-SS315-G-20N/LPG	315		4.35		30 tubes														
	SA-G-30-SS315-G-26N/LPG	315		4.35		30 tubes														
	SA-G-30-SS315-G-32N/LPG	315		4.35		30 tubes														
	SA-G-40-SS315-G-26N/LPG	315		5.92		40 tubes														
	SA-G-40-SS315-G-32N/LPG	315		4.35		30 tubes														
	SA-G-30-SS400-G-20N/LPG	400		4.35		30 tubes														
	SA-G-30-SS400-G-26N/LPG	400		4.35		30 tubes														
	SA-G-40-SS400-G-26N/LPG	400		5.92		40 tubes														
	SA-G-40-SS400-G-32N/LPG	400		5.92		40 tubes														
	SA-G-40-SS500-G-26N/LPG	500		5.92		40 tubes														
	SA-G-40-SS500-G-32N/LPG	500		5.92		40 tubes														
	SA-G-40-SS630-G-26N/LPG	630		5.92		40 tubes														
	SA-G-40-SS630-G-32N/LPG	630		5.92		40 tubes														
	SAC-G-60-SS945-32N1	945		8.7		60 tubes														
							Stainless steel										Rinnai Solar instantaneous gas			

Table 1. Solar hot water systems (cont)

Make	Model	Capacity (litres)	Type (collector type, split or close coupled etc)	Tank material	Insulating material	Total collector area (m ²)	No. of tubes or collectors	Collector material	Glass type	Boosting	RRP (before STCs)	Comments	Warranty											
Solar Lord ph: 1300 133 782 www.solarlord.com.au	E270U15-O	270	Mains pressure, split system, open circuit, suitable for good quality water, antifreeze level 2	Vitreous enamel lined mild steel	Polyurethane	1 collector (15 x 2100mm long U-tubes)		AIN/AIN-SS/CU surface, novel sputtering treatment, U copper tubes collector	Evacuated borosilicate glass tube	Continuous/ off-peak electric	POA	Winner of HIA GreenSmart Award - Product of the Year 2007.	10 years on gas instantaneous booster 10 years on collector construction 7 years on tank 2 years on parts											
	E340U15-O	340																						
	E450U30-O	450																						
	E450U45-O	450																						
	G270U15-O	270																						
	G340U15-O	340																						
	G450U30-O	450																						
	G450U45-O	450																						
	E180H16-O	180	Mains pressure, split system, open circuit, suitable for hard to poor quality water, antifreeze level 2			1 collector (16 x 1800mm heat pipe tubes)		AIN/AIN-SS/CU surface, novel sputtering treatment, heat pipe collector		Continuous/ off-peak electric		Easy and cost-saving installation, good performance in winter and on overcast and rainy days.												
	E270H24-O	270																						
	E340H32-O	340																						
	E450H40-O	450																						
	E450H48-O	450																						
	G180H16-O	180																						
	G270H24-O	270																						
	G340H32-O	340																						
	G450H40-O	450																						
	G450H48-O	450																						
	E450U45-OH	450												Mains pressure, split system, open circuit, suitable for hard to poor quality water, antifreeze level 2	Vitreous enamel lined mild steel with copper coil for hydronic heating		3 collectors (45 x 2100mm long U-tubes)		U copper tube collector		Continuous/ off-peak electric		Winner of HIA GreenSmart Award - Product of the Year 2007. Good performance in winter and on overcast and rainy days.	
	E450H48-OH	450																						
	G450U45-OH	450																						
	G450H48-OH	450																						
	E250U15-O	250	Mains pressure, split system, open circuit, antifreeze level 2	Stainless steel		1 collector (45 x 2100mm long U-tubes)		AIN/AIN-SS/CU surface, novel sputtering treatment, U copper tubes collector		Continuous/ off-peak electric		Good performance in winter and on overcast and rainy days.	10 years on gas instantaneous booster 10 years on collector construction 10 years on tank 2 years on parts											
	E315U15-O	315																						
G250U15-O	250																							
G315U15-O	315																							
E250H24-O	250	1 collector (24 x 1800mm heat pipe tubes)					AIN/AIN-SS/CU surface, novel sputtering treatment, heat pipe collector		Continuous/ off-peak electric		Easy and cost saving installation, good performance in winter and on overcast and rainy days.													
E315H32-O	315																							
G250H24-O	250																							
G315H32-O	315																							
					2 collectors (32 x 1800mm heat pipe tubes)				Instantaneous gas															

Table 1. Solar hot water systems (cont)

Make	Model	Capacity (litres)	Type (collector type, split or close coupled etc)	Tank material	Insulating material	Total collector area (m ²)	No. of tubes or collectors	Collector material	Glass type	Boosting	RRP (before STCs)	Comments	Warranty	
SolarOz ph: 1800 821 172 save@solaroz.com.au www.solaroz.com.au	SPZ58/1800-12	100	Close-coupled	Stainless steel	PU foam	0.96 Absorbing	12 tubes		58mm x 1800mm x 2mm thick evacuated tube with three layer coating	Electric, gas	POA		10 years on tubes and frame, 5 years on tank, 1 year on electrical	
	SPZ58/1800-24	220				1.92 Absorbing	24 tubes							
	SPZ58/1800-30	300				2.4 Absorbing	30 tubes							
	SSHE58/1800-12	100				0.96 Absorbing	12 tubes							Wood fire, electric, gas
	SSHE58/1800-24	220				1.92 Absorbing	24 tubes							
	SSHE58/1800-30	300				2.4 Absorbing	30 tubes							
	SPHE58/1800-30	300				2.4 Absorbing	30 tubes			Aluminium/copper				
	SS300E30T	300	Split system	2.4 Absorbing	30 tubes									
	SS400E40T	400	3.2 Absorbing	40 tubes										
	SS500E60T	500	4.8 Absorbing	60 tubes										
Vulcan ph: 132 552 www.vulcan.com.au	690160/2HBT-G	160	Split system. Suitable for frost-prone areas.	Vitreous enamel lined mild steel	Polyurethane	4	2 collectors	Copper	Low-iron tempered	Gas	POA	Split design reduces the structural load on the roof	5 years cylinder, collectors and electronic instantaneous heat exchanger, 3 years labour on cylinder and electronic instantaneous heat exchanger, 1 year parts including labour. Applies to domestic installations only.	
	696160/2HBT					4	2 collectors	Aluminium						
	690160/2NPT-G					4	2 collectors							
	696160/2NPT					4	2 collectors							

Table 2. Heat pump hot water systems

Make	Model	Capacity (litres)	Type	Tank material	Insulating material	Refrigerant type	Boosting (if used)	Coefficient of performance	Min rated ambient temp	Noise level (dB)	RRP (pre STCs)	Comments	Warranty
Chromagen Pty Ltd ph: 1300 367 565 info@chromagen.com.au www.chromagen.com.au	Midea HP170	170	Heat pump	Vitreous enamel lined mild steel		R134a	Electric			48	POA		5 years tank cylinder, 3 years compressor and electronics, 3 years labour on tank cylinder, all other 1 year parts and labour
	Midea HP280	282											
Quantum Energy Technologies ph: 1800 383 888 www.quantumenergy.com.au	150-08ACW-134	150	Compact heat pump	Vitreous enamel lined mild steel	Polyester (no ozone depletion)	R134 or R134a depending on model.	Not required	3.67 (@20°C)	-10°C	50	POA	No booster element required—operates in temperatures of -10°C to +40°C. Regulates the refrigerant temperatures to prevent freezing and overheating. Built in timer (AC4 models) to maximise efficiency. Excellent for use in poor water conditions—the water does not make contact with any operational components, only the inner lining of the tank. Low noise rating (AC4 models) at 48dB. Tank-wrap design.	5 years on cylinder, 2 years on refrigeration and electrical components; extended warranty available through product registration with Quantum
	200-08ACW-134	200	Compact heat pump					3.67 (@20°C)		50			
	270-11AC4-134	270	Compact heat pump					3.88 (@20°C)		48			
	270-11AS4-134	270	Split system					3.88 (@20°C)		45			
	340-11AC4-134	340	Compact heat pump					3.88 (@20°C)		48			
	340-11AS4-134	340	Split system					3.88 (@20°C)		45			
	340-17ACW-134	340	Compact heat pump					3.74 (@20°C)		58			
	340-17ASW-134	340	Split system					3.74 (@20°C)		45			
Rheem Australia Pty Ltd ph: 132 552 www.rheem.com.au	551310	310	HDI-310 integrated heat pump	Vitreous enamel lined mild steel	Polyurethane	R134a	Electric	-	-	-	POA	Back-up element fitted in every model	5 years cylinder warranty, 3 years labour on cylinder, 2 years on sealed system including labour. 1 year on all parts and labour. Applies to domestic installations only.
	551325	325	MPI-325 integrated heat pump										
	551410	410	MPI-410 integrated heat pump										
	554325	325	MPI-325 integrated heat pump Rheem Plus										
Sanden ph: (02) 9791 0999 sales@sanden.com.au www.sanden-hot-water.com.au	GAUS - 160EQTA	160	Split system	Marine-grade stainless steel	Polyurethane	R744 (CO ₂)	None	4.5	-10	38	POA	Save up to 78% of your hot water energy costs. Perfect for use with off-peak electricity tariffs for even more savings.	15 years on tanks and 3 years on heat pump unit
	GAUS - 250EQTA	250											
	GAUS - 250EQTB	250											
	GAUS - 315EQTD	315											
	GAUS - 315EQTE	315											
	GAUS - 315EQTF	315											
GAUS - 315EQTG	315												
Siddons Solarstream 1300 SID SOL ph: (03) 9543 9882 contact@siddonsolarstream.com www.siddonsolarstream.com	MAHRW010ZB-315VEO	315	Split system heat pump water heater, suitable for mineralised water	Vitreous enamel lined mild steel	Polyurethane	R134a	None	2.5 to 3.5	-5°C	48	POA	Split system, Australian-made, vitreous enamel lined steel storage tank with anode	5 years storage tank, 3 years heat pump, 1 year labour
	MAHRW010ZB-315VED	315								48	POA		
	MAHRW010ZB-250SS	250	Split system and all-in-one heat pump water heater	Stainless steel						48	\$3390	Split system, Australian-made, stainless steel (316) storage tank	10 years storage tank, 3 years heat pump, 1 year labour
	MAHRW010ZB-315SS	315								48	\$3690		
	MAHRW010ZAB-270	270								50	\$3390	All-in-one, integrated stainless steel (316) storage tank and heat pump	10 years storage tank, 3 years heat pump, 1 year labour
	MAHRW010ZAB-270 (01)	270								50	POA		
	MAHRW010ZAB-340	340								50	\$3690		
	MAHRW010ZAB-340(01)	340								50	POA		
MAHRW010ZB-P	N/A	BOLT-ON heat pump to add to existing tank	N/A	48	\$1890	Suitable for vitreous enamel and stainless steel storage tanks	3 years heat pump, 1 year labour						
Stiebel Eltron ph: 1800 153 351 info@stiebel.com.au www.stiebel.com.au	WWK300 A	303	Compact heat pump	Vitreous enamel lined mild steel	Polyurethane	R134a	None				\$3575 inc GST	Active defrost, external or internal installation	5 years on tank, 2 years on compressor and refrigerant circuit and 1 year on electrical components
	WWK300 AH						Smart element 1.7kW				\$3850 inc GST		

Table terms explained

'Sydney tubes': another term for the most common type of evacuated tubes. Named after the Solar Energy Research Group at the University of Sydney as they developed an all-glass evacuated tube for solar collectors which has become the industry standard design.

Closed loop: Also called a closed circuit or indirect system, closed loop systems use a heat exchanger in the tank which is coupled to the collectors. Heat transfer fluid circulates between the solar collectors and the heat exchanger, transferring the heat to the potable water in the tank. The heat

transfer fluid and the water are never in contact. Closed loop systems may use water in the closed loop, but normally use low freezing point liquids such as propylene glycol, especially if installed in frost-prone areas. Closed loops may be used in both close-coupled and split systems.

Open loop: Also called direct systems, open loop systems have the collectors directly coupled to the tank. The potable water in the tank flows between the tank and the collectors and is itself the heat transfer fluid. Direct systems are not usually used in frost-prone areas due to the risk of water freezing in the collectors.

Drainback system: A system using an unpressurised closed loop where there is an air space in the loop and a small reservoir for the heat transfer fluid. Heat transfer fluid (usually pure water) is pumped to the collectors where it is heated and drains back under gravity. Drainback systems have some advantages over other closed loop systems—they can prevent system overheating simply by turning off the circulating pump. The same applies for freeze protection. Their main disadvantage is that the pump will use more energy compared to a regular closed loop system as it has to overcome gravity to push water up to the collector. Some

drainback systems may even have two pumps, the second circulates potable water from the main tank to the HTF tank's heat exchange coil for heating.

Selective surface: a surface coating that increases solar absorption while decreasing heat emission. Used to make solar collectors more efficient.

References for table data

Grades of stainless steel: http://en.wikipedia.org/wiki/SAE_steel_grades#Stainless_steel

List of refrigerants: http://en.wikipedia.org/wiki/List_of_refrigerants