

Technical Data

The GTD Series 2 is an open circuit solar water heater consisting of roof mounted solar collectors and a ground mounted cylinder.

The solar collectors generate energy which is transferred directly to the water as it passes through the collector. An automatic, temperature controlled pump circulates this hot water from the collectors to the cylinder. The heated water is stored in the ground mounted cylinder.

The GTD can be installed with up to 3 solar collectors. Either the Australis or Titan 2 collectors can be utilised depending upon your requirement. The GTD is not suitable for use in frost prone areas.



The GTD models are equipped with an in-tank electric booster. However an in-line gas booster may be added to the system at time of installation or at a later date. These back-up energy sources ensure a continuous supply of hot water during those times of the year when the solar radiation is not adequate to provide 100% of your hot water requirements.

FEATURES INCLUDE:

- Ground mounted cylinder ensures ease of installation
- Option to install up to 3 collectors for increased solar contribution
- Choice of electric or in-line gas boosting
- Enamelled cylinder for corrosion protection
- Durable COLORBOND® steel casing for extended life span
- Collector glass designed specifically for solar application

BENEFITS INCLUDE:

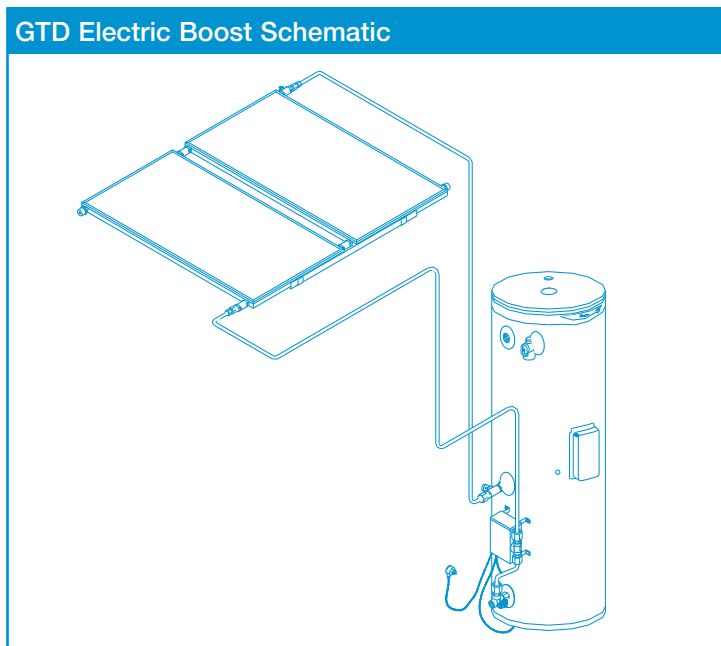
- Hot water available in all weather conditions
- Energy consumption reduced for water heating by 55% - 85%*
- Eligible for environmental incentives
- Reduction in fossil fuel consumption assists in reducing CO₂ production
- 5 year warranty†

SPECIFICATIONS

Storage Tank		GTD340	
Storage capacity	litres / US Gal	325 / 85.9	
Delivery capacity (solar)	litres / US Gal	315 / 83.2	
Boost capacity (electric)	litres / US Gal	200 / 52.8	
Solar controller kit PN 299121		1	
Weight (Empty)	kg / lbs	87 / 192	
Weight (Full)	kg / lbs	412 / 908	
Height	m / in	1.640 / 64.6	
Width	m / in	0.640 / 25.2	
Depth	m / in	0.680 / 26.8	

Water Supply				
TPR valve setting	kPa	1000	psi	145
ECV* setting	kPa	850	psi	125
Max. supply pressure with ECV	kPa	680	psi	100
Max. supply pressure without ECV	kPa	800	psi	115
Water Connections	cold	RP1/2/15 (cold inlet to tank RP3/4/20)		
	hot	RP3/4/20		
	solar	DN15 compression fitting (solar hot inlet to tank RP3/4/20)		

*Expansion Control Valve (ECV) is not supplied



These systems are suitable for multiple installations. These systems are not suitable for frost or harsh water regions.

The GTD Series systems can be installed as a solar preheater with an inline gas booster water heater. Refer to the Edwards gas booster specification sheet for further details on the gas booster.

Your local distributor:

'Titan 2' Collector				
Aperture (heating) area	m ²	1.86	ft ²	20
Dimensions length	mm	1941	in	76.5
Dimensions width	mm	1027	in	40.5
Dimensions height	mm	84	in	3.3
Capacity	litres	1.6	US Gal	0.4
Weight (Empty)	kg	33.6	lbs	75
Weight (Full)	kg	35.2	lbs	80.5
Working pressure (Max)	kPa	1000	psi	145
Absorber surface	Blue TiNOX [®] sputtered			
Absorber material	Copper			
Riser material	Copper Tube			
Number of risers	7			
Tray material	0.4mm COLORBOND [®] Steel			
Insulation material	38 mm glass wool blanket			
Glass	3.2 mm tempered low iron			

'Australis 2' Collector				
Aperture (heating) area	m ²	1.86	ft ²	20
Dimensions length	mm	1941	in	76.5
Dimensions width	mm	1027	in	40.5
Dimensions height	mm	84	in	3.3
Capacity	litres	1.8	US Gal	0.5
Weight (Empty)	kg	35	lbs	77.2
Weight (Full)	kg	36.8	lbs	80.5
Working pressure	kPa	1000	psi	145
Absorber surface	Black polyester powder coat			
Absorber material	Aluminium			
Riser material	Copper Tube			
Number of risers	6			
Tray material	0.4mm COLORBOND [®] Steel			
Insulation material	38 mm glass wool blanket			
Glass	3.2 mm tempered low iron			

* Savings of 53% – 85% shown are based on Australian Government approved TRNSYS simulation modelling. Savings and incentives will vary depending upon your location, type of Edwards system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.

[†] Warranty details: 5/3/1, 5 year cylinder and collectors, 3 year labour on cylinder, 1 year parts including labour, 1 year labour on collectors; applies to a single family dwelling only. All other applications have a 3/1/1, 3 years cylinder, 1 year collectors, 1 year parts and labour.



For sales assistance call
132 949 (Australia Only)

For International Enquires

Tel +61 8 9351 4600

Fax +61 8 9351 8034

Website www.edwards.com.au

Email info@edwards.com.au

ABN 21 098 823 511

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