



CONERGY

High Efficiency Solar Hot Water Solutions | Technical data

## Conergy TS series

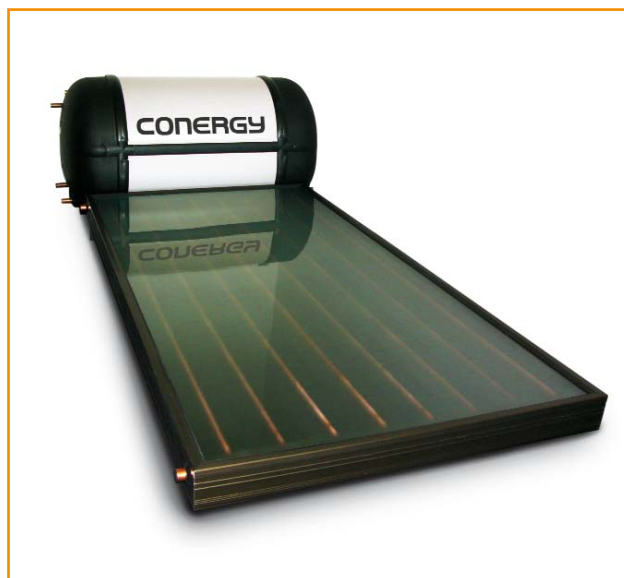
Based on Solitaire technology

### The smart choice in Solar Hot Water

The benefits of solar heating are well known - energy from the sun costs nothing, and you can meet as much as 80 % of your hot water requirements for free! And while you're reducing your power bill, you're helping the environment. That's why Conergy TS hot water systems are the smart choice in water heating, with the highest standards in water heating performance. Superior design, technology and materials ensure the very best in efficiency, slashing your heating costs while you enjoy steaming hot water, all year round.

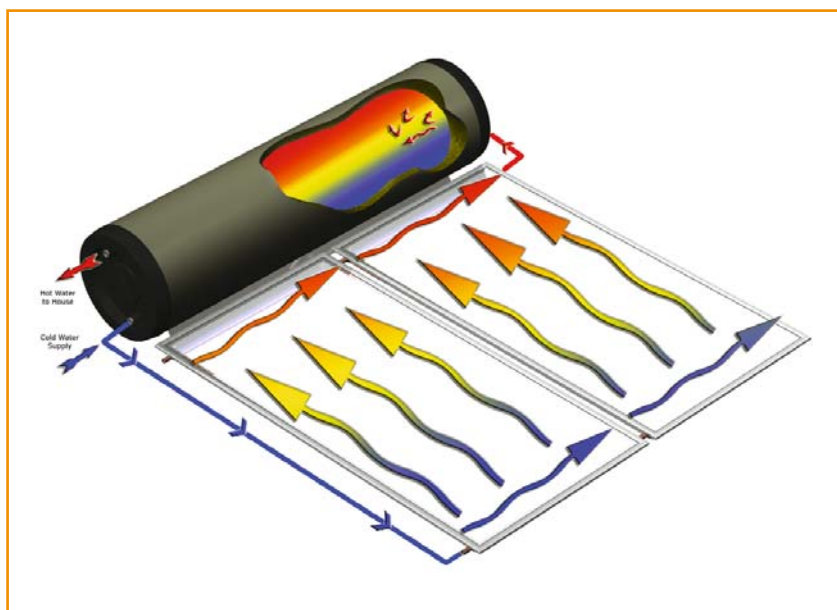
### European engineering

Conergy TS systems use products from carefully selected, world-leading manufacturers. Engineered with advanced European technology and using only the highest quality materials, Conergy TS systems assure superior performance and a longer operating life. In fact Conergy TS systems are so well engineered they come with a 5 year warranty as standard and a guarantee of no maintenance whatsoever in the first five years. By combining the latest technology with the most advanced product innovations, Conergy TS systems represent uncompromised quality at a reasonable price. This means unbeatable value for money, with a highly efficient solar hot water system that doesn't cost the earth.



### Australian Standards

Conergy TS hot water systems comply with rigorous Australian Standards, as well as the Federal and State Government Renewable Energy Incentive programs. According to the measurement standards used in this program, Conergy TS systems are rated with a higher efficiency than equivalent competitor models.



### Conergy TS thermosiphon system

The Thermosiphon System is a complete roofmounted hot water system, with the tank and collectors mounted as one unit on the roof. The smart Thermosiphon design uses natural convection to move water through the system, it's a very efficient and economical way of water heating. The Conergy TS systems are built tough for Australian conditions, using marine grade stainless steel for the storage cylinder with a durable Colourbond® weather proof outer casing. They are also lightweight and use CFC free thermal insulation to set a new standard in environmentally friendly hot water systems.

SOLAR HEATING



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Model	Conergy TS 182 2BC open	Conergy TS 182 2LC open	Conergy TS 182 2BC closed	Conergy TS 182 2LC closed	Conergy TS 304 2BC open	Conergy TS 304 2LC open	Conergy TS 304 2BC closed	Conergy TS 304 2LC closed
<b>Storage Tank Storage Volume (L)</b>	180	180	180	180	300	300	330	330
<b>Storage Tank Pressure Safety</b>								
<b>Valve (kPa)</b>	850	850	850	850	850	850	850	850
<b>Recommended Expansion</b>								
<b>Control Valve (kPa)</b>	700	700	700	700	700	700	700	700
<b>Storage Tank Construction</b>								
<b>Material</b>	Vitreous Enamelled, Steel							
<b>Storage Tank Insulation</b>	Polyurathane	Polyurathane	Polyurathane	Polyurathane	Polyurathane	Polyurathane	Polyurathane	Polyurathane
<b>Storage Tank Weight Empty (kg)</b>	48	48	53	53	105	105	113	113
<b>Storage Tank Weight Full (kg)</b>	228	228	243	243	405	405	425	425
<b>Cold Water Inlet Connection</b>	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP
<b>Hot Water Outlet Connection</b>	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP
<b>Collector Connection (s)</b>	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP
<b>Storage Tank Dimensions</b>								
<b>(W x H x L) (mm)</b>	625 x 590 x 1,235				650 x 590 x 1,985			
<b>Number of Booster Elements</b>	1	1	1	1	1	1	1	1
<b>Booster Element Rating (kW)</b>	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>Storage Tank Electrical</b>								
<b>Connection (mm)</b>	20	20	20	20	20	20	20	20
<b>Storage Tank Electrical Supply</b>								
<b>Voltage (Volts ac)</b>	220/250	220/250	220/250	220/250	220/250	220/250	220/250	220/250
<b>Number of Solar Collectors</b>	1	1	1	1	2	2	2	2
<b>Solar Collector Model Number</b>	2BC	2LC	2BC	2LC	2BC	2LC	2BC	2LC
<b>Collector Absorber Surface</b>	Black Chrome	High Temp Paint	Black Chrome	High Temp Paint	Black Chrome	High Temp Paint	Black Chrome	High Temp Paint
<b>Total Collector Area (m<sup>2</sup>)</b>	1.92	1.98	1.92	1.98	1.92	1.98	1.92	1.98
<b>Collector Absorber Material</b>	Copper	Aluminium	Copper	Aluminium	Copper	Aluminium	Copper	Aluminium
<b>Collector Case Material</b>	Aluminium	Zincalume	Aluminium	Zincalume	Aluminium	Zincalume	Aluminium	Zincalume
<b>Collector Low Iron Glass</b>								
<b>(mm thick)</b>	3	3	3	3	3	3	3	3
<b>Number of Risers</b>	9	6	9	6	9	6	9	6
<b>Riser Diameter (mm)</b>	10	12	10	12	10	12	10	12
<b>Riser Pitch (mm)</b>	95	145	95	145	95	145	95	145
<b>Collector Header Diameter (mm)</b>	22	25	22	25	22	25	22	25
<b>Collector Connections</b>	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP
<b>Collector Maximum Pressure (kPa)</b>	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
<b>Collector Weight Empty (kg)</b>	39	33	39	33	39	33	39	33
<b>Collector Weight Full (kg)</b>	40.9	35.9	40.9	35.9	40.9	35.9	40.9	35.9
<b>Solar Energy Transfer Medium</b>	Water	Water	Propylene Glycol	Propylene Glycol	Water	Water	Propylene Glycol	Propylene Glycol

Your specialist supplier:

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