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edson solar

edson *Electric*

The **edson** ***Electric*** Boosted Hot Water System is supplied with either a Vitreous Enamel or Stainless Steel Electric Boosted Tank that will operate the same as a standard non-solar electric hot water system. It is connected to off-peak electricity or put onto a timer to take it off automatic boosting. The thermostat will read the water temperature once a day to heat your water to 60°C to complement the energy harvested from the sun.

Cycling the stored water through our collector, the tank remains at a temperature above 60°C for 7-8 months of the year – reducing the requirement for the electric element to come on thus reducing electricity costs. For the remainder of the year we aim to have a temperature between 30°C and 40°C giving a top-up boost at half the cost keeping operating efficiency at up to 80%.**

Electric Boosted Solar Hot Water

Domestic Usage	1–3 people	3–5 people	6+ people
Vitreous Storage Tank	270L	315L	400L
Stainless Steel Storage Tank	250L	315L	315L
Evacuated Tubes	10 or 20	20 or 30	30 or 40

For commercial installations, contact your nearest Edson authorised reseller

GUARANTEED 15 YEAR COLLECTOR WARRANTY

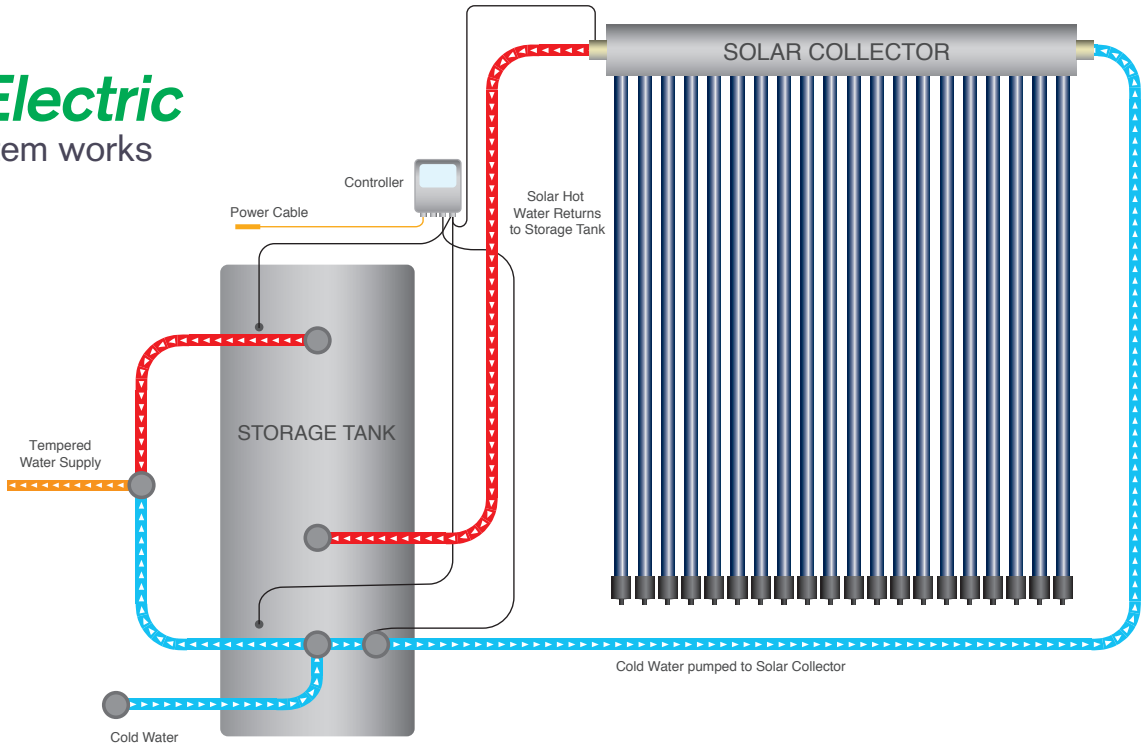
EDSON SOLAR TECHNOLOGY ELECTRIC BOOSTED

GUARANTEED 7 YEAR VITREOUS TANK WARRANTY

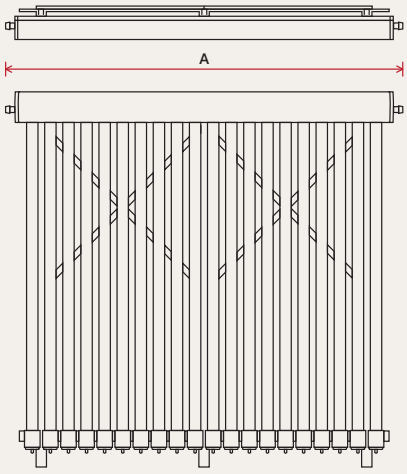
GUARANTEED 15 YEAR STAINLESS STEEL TANK WARRANTY

edson Electric

How the system works



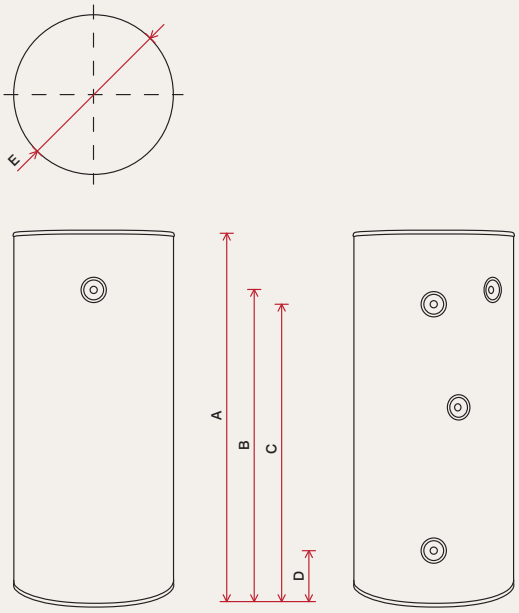
Evacuated Tubes



Combinations are used for more than 30 tubes.

Evacuated Tubes		10	20	30
A	Width	880 mm	1635 mm	2375 mm

Storage Tanks



Specification		270 L GLES	315 L GLES	400 L GLES	250 L	315 L
A	Height	1400 mm	1690 mm	1711 mm	1610 mm	1965 mm
B	Hot Water Outlet & PTR Valve	1170 mm	1470 mm	1670 mm	1190 mm	1495 mm
C	Solar Return	380 mm	574 mm	680 mm	370 mm	425 mm
D	Cold Water Inlet	170 mm	75 mm	75 mm	168 mm	168 mm
E	Diameter	650 mm	650 mm	730 mm	566 mm	580 mm
	Electric Element	3.6 kW	3.6 kW	3.6 kW	3.6 kW	3.6 kW
	Water Pressure Minimum	300 kPa	300 kPa	300 kPa	300 kPa	300 kPa
	Anodal Protection	Yes	Yes	Yes	Not required	Not required
	Bathrooms	1 to 2	1 to 3	2 to 4	1 to 2	1 to 3
	Water Storage	270 L	315 L	400 L	250 L	315 L
	Material	Vitreous Enamel	Vitreous Enamel	Vitreous Enamel	Stainless Steel	Stainless Steel

Notes:
* For assistance in obtaining discounted product after a natural disaster ** All statistics based on average hot water usage in Zone 3 with a standard installation. Solar Circulating Pump requires a minimum 300kPa water pressure.

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