



DOMESTIC SOLAR WATER HEATER

Solar Water Heaters - Evacuated Tube Collector

Evacuated tubes are the absorber of the solar water heater. They absorb solar energy converting it into heat for use in water heating. Evacuated tubes have already been used for years in Germany, Canada, China and UK. There are several types of evacuated tubes in use in the solar industry. At Sunlit, we use the "Twin-Glass Tube" technology. This type of tube is chosen for its reliability and better performance.



MNRE APPROVED

Technical Data

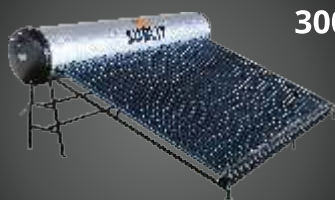
Absorber	Evacuated Glass Tubes
Tube Length	1800 mm
Tube Diameter	58 mm
Glass Thickness	1.6 mm
Material	Borosilicate Glass 3.3
Absorptive Coating	Graded CU-N/CU
Absorptance	>92% (AM1.5)
Emittance	<8% (80°C)
Stagnation Temperature	>200°C
Inner Tank	Stainless Steel 304-L/Copper
Inner Tank Welding	Seam Welding/Gas Welding
Turbulence Preventer	Provided
Deep Drawn Dishes	Provided
Outer Tank	Coated Sheet
Tank Side Dish	Aluminum Powder Coated
Heat Retention	72 hours
Insulation	PUF
Electrical Backup	Provided ISI Make (Optional)
Supporting Stand	GI PU Coated



100 lpd



150 lpd



300 lpd

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Capacity	No. of Persons	Utility Points
100 LPD	3 - 4 Persons	1 - 2 Points
200 LPD	5 - 6 Persons	3 - 4 Points
300 LPD	6 - 8 Persons	5 - 6 Points
500 LPD	10 - 12 Persons	7 - 8 Points