Supreme Solar Projects Pvt.Ltd.

Office & Unit -1: #16/4 & 16/5,Avalahalli,Doddaballapura Main Road,Yelahanka,Bangalore-560064,India

NON-PRESSURISED GLASSLINED SOLAR WATER HEATER

CAPACITY (LPD)	*Tube Specification Diameter and length*	*Number of tubes*
110 LPD	58mm (d) /1800mm (L)	11
165 LPD	58mm (d) /1800mm (L)	16
200 LPD	58mm (d) /1800mm (L)	20
220 LPD	58mm (d) /1800mm (L)	21
270 LPD	58mm (d) /1800mm (L)	26
300 LPD	58mm (d) /1800mm (L)	30
400 LPD	58mm (d) /2100mm (L)	34
500 LPD (38)	58mm (d) /2100mm (L)	38
500 LPD (32)	58mm (d) /2100mm (L)	32
600 LPD	58mm (d) /2100mm (L)	38

LPD: Liters per day

Glass lined Powder outer Coated /Glass lined outer Stainless Steel

Terms and Conditions

Cold water tank height should be minimum 6 feet & maximum 7 feet

Technical Specifications of ETC Solar Water Heater System

- Bracket inclination : Galvanized powder coated with 27 Degree / 45 Degrees (Optional)
- Carton: Export quality.
- Vacuum Tube size : 58/1800 mm & 58/2100 mm
- Inner Tank Diameter: 380mm for 110LPD & 300LPD/ 395 mm for 400LPD and 500LPD (38 tubes) 450 mm for 500 LPD (32 tubes) and 600 LPD

- Outer Tank Diameter: 480mm for 110LPD & 300LPD/ 495 mm for 400LPD and 500LPD (38 tubes) 550 mm for 500 LPD (32 tubes) and 600 LPD
- Tank Volume : 110L/165L/220L/270L/300L/400L/500L/600L
- Tank Insulation : PUF 50mm (Polyurethane foaming)
- Stand frame : Galvanized Powder coated
- Inner Tank Thickness: 1.8 mm (shell) and 2.5 mm (dish) Cold Roald Cold Annealed
- Outer Tank Material: Pre painted galvanized iron (Powder coated) / Stainless steel (optional)
- Method of Welding: Plasma and MIG welding
- Type of Fasteners : Stainless Steel
- Type of Grommets: Silicon rubbers.
- Type of Circulation: Thermosiphon
- Electrical Back Up : Copper Heating Element

Technical Specification of Tube

1: Structure: Two concentric borosilicate glass

2: Material: Borosilicate glass

3: Glass thickness: 1.6mm

4: Thermal expansion: 3.3 × 10

5: Outer tube Diameter-length: 58/2100mm

6: Selective coating: SS-AlN/Cu

7: Absorptance 0.90-0.95(AM1.5)

8: Emittance 0.04~0.06(80oC±5oC)

9: Vacuum degree: P≤5.0×10-3 (Pa)

10: Stagnation temperature: 260~300oC

11: Heat loss: ULT= 0.4~0.6w/ (m2.oC)

12: Resistance: Hail diameter≤ 25mm

13: Solar irradiation for obtaining a pre-set water temperature rise in an all-glass evacuated solar collector tube under stagnation: H=3.7~4.2 MJ/ (58mm); H=2.9~3.2MJ/(47mm)