



Supreme Solar Projects Pvt.Ltd.

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FPC GLASSLINED SOLAR WATER HEATERS

<i>CAPACITY (LPD)</i>	<i>Collector Specification (Cu+ Al Collector)</i>	<i>Number of collectors</i>
110 LPD	2000*1000	1
125 LPD	2000*1000	1
165 LPD	2000*1140	1
220 LPD	2000*1000	2
275 LPD	2000*1000	2
330 LPD	2000*1000	3

LPD: Litre Per Day



FPC Solar water heater

Terms and Conditions

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



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FPC TECHNICAL SPECIFICATION OF FLAT PLATE COLLECTOR:

- **Section** : 1.2 mm thick Aluminum
- **Back sheet** : 0.46 mm thick Aluminum
- **Insulation** : Fiber Glass wool with 50 mm thickness
- **Foil** : 0.05 mm thick Aluminum
- Flat plate collector with **9 fins** for standard collector and **11 fins** for 165 LPD Collector
- **Type of bonding of absorber:** Ultrasonic welding
- **Type of coating of absorber:** Selective black chrome coating from national aerospace Ltd
- **Copper tube thickness for Non-pressurized:** 0.33 mm for riser and 0.6 mm for Header pipe
- **Copper tube thickness for Pressurized:** 0.5 mm for riser and 0.71 mm for Header pipe
- **Glazing** : 1000 X 2000 X 4mm clear toughened glass
- **Glass beading** : E.P.D.M. Rubber
- **Fasteners** : Stainless steel
- **Grommets** : E.P.D.M Rubber
- **Flanges** : Brass
- **Finishing** : Powder coating

Tank Specification:

- **Inner tank thickness: 2.5 mm** Enamel steel for shell and 2.5 mm for side dish with Glass lined / porcelain enamel coating technology for non-Pressurized systems up to 300 LPD
- **Inner tank thickness: 3 mm** Enamel steel for shell and 3 mm for side dish with Glass lined/porcelain enamel coating technology for Pressurized systems up to 300 LPD
- **Outer tank material:** Pre-Coated galvanized sheet (color: Appliance white) /202 non magnetic Mirror finish.

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- **Outer tank side dish:** GI with PP coating.
- **Insulation:** 50mm thick PUF (Polyurethane foaming).
- **Support structure:** Galvanized steel with powder coating.