



Supreme Solar Projects Pvt.Ltd.

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FPC GLASSLINED SOLAR WATER HEATERS

CAPACITY (LPD)	Collector Specification (Cu+ Al Collector)	Number of collectors
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.

Outer tank side dish: GI with PP coating.

Insulation: 50mm thick PUF (Polyurethane foaming).

Support structure: Galvanized steel with powder coating.