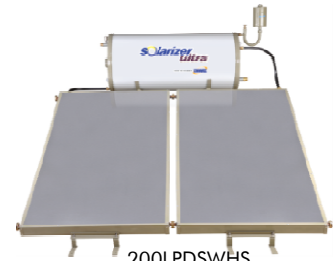


TECHNICAL SPECIFICATION SHEET



Solarizer Ultra



200LPDSWHS
(Above Pic.)

Hot Water Storage Tank

Material of storage tank	Glass enamel coated low carbon steel
Insulation	CFC free PUF - Thickness: 50 mm
Outer cladding	Pre-coated steel (RAL7035)
Safety valve	3bar rating for primary circuit and 6bar rating for secondary circuit.
Electrical backup heater	2kWx1No.backup electrical heating element for 100,200&300LPD 3kWx1No. backup electrical heating element for 500 LPD
Working pressure	6kgf/cm ²
Tank Construction	Jacket type Heat exchanger
Tank protection	Aluminium anode with inbuilt replacement provision
Tank capacity	100, 200, 300 & 500LPD
No. of FPCs	01, 02, 03 & 04 respectively

Flat Plate Collector

Absorber construction	Flat plate Single sheet Aluminium with copper Harp
Absorber coating	High Selective coating with Absorbivity 0.95 +/- 0.02 and Emissivity: 0.047 +/- 0.02
Riser	Copper tube: 12.7 mm
Header	Copper tube: 25.4 mm
Bonding - header & riser	Brazing
Bonding -absorber & harp	LASER welding
Back insulation	Rockwool: 48kg/m ³ density. Thickness: 50mm
Side insulation	CFC Free PUF. Thickness: 25mm; 38kg/m ³ density
Collector size	2050x1040 x100mm
Collector Material	Extruded aluminium with Olive green color powder coating
Collector back sheet	Aluminium
Glazing	Textured glass - Thickness: 3.2 mm
Retainer key for glass	Extruded aluminium with Olive green color powder coating
Rubber Beading for glass	EPDM rubber
Absorber area	2m ²
Heat transfer media	Foodgrade Glycol with RO grade water mixture
Weight of collector (dry)	38kgs
Collector area	2.132m ²
Maximum working pressure	8 kgf/cm ²

Balance of System (BOS)

Mounting System Material	Mild steel structure with Gray color Powder coating
Connections Material	Composite pipe with brass end fitting
System color	Olive Green (RAL7002)