

AK SOLAR WATER HEATER

Hot water for your daily needs

MODELS 200 | 300 | 500 Litres per day

Epoxy coated tank

Hot water up to 80 °C

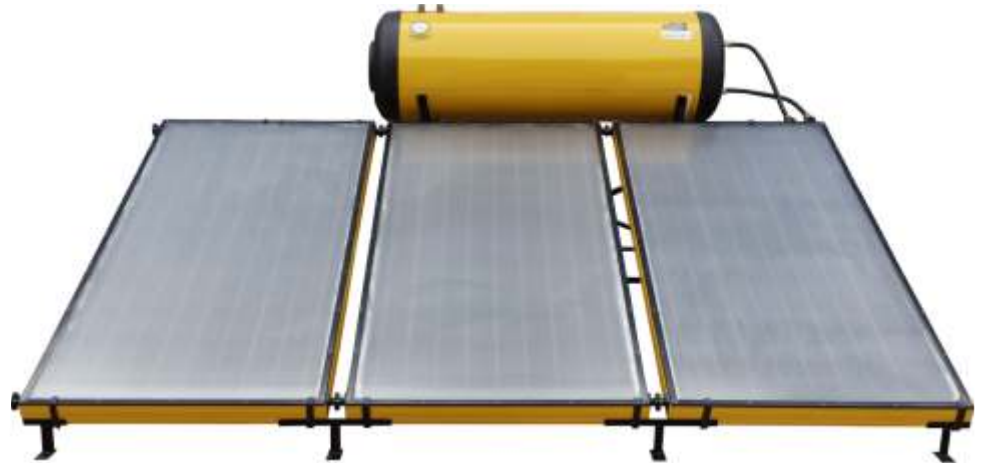
PUF insulation

Suitable for hard water

Ultraviolet protection

Corrosion resistant

5 year warranty



FEATURES

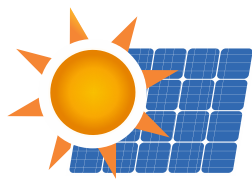
- Pressurized system with operating pressure of 5 bar with burst pressure of 25 bar
- 99.9% pure copper high transmittivity flat plate collector with in-built anti-fogging breather device
- High-transmissivity low iron toughened textured glass
- Ultrasonic laser welded copper fins and raiser tubes

BENEFITS

- Withstands hard water up to 600 PPM, chlorides up to 300 PPM
- Overnight temperature drop less than 3°C
- Uniform pressurized hot water output when used with pressure booster pump
- Daily hot water up to 80 °C
- 10% more efficient than aluminium based plain glass collector
- Save up to ₹ 36,000 per year*

SPECIFICATIONS

- 200, 300 or 500 litres epoxy coated steel tank with PUF insulation technology
- 2.17m² copper flat plate collector
- Polyester powder coated steel structure
- Pressure and air-release valve



Our products in this range

Ultima FPC

COMPETITION

FEATURES	Capacity (LPD)			
	200	300	500	
Inner tank thickness (mm)	4	4	5	2
Hard water tolerance (PPM)	600	600	600	600
Corrosion protection anode (alloy)	Manganese	Manganese	Manganese	Aluminium
High efficiency flat plate collector (absorber material)	Copper	Copper	Copper	Aluminium
Anti-fogging natural breather device in collector	Yes	Yes	Yes	No
Pure brass flanges	Yes	Yes	Yes	Yes
UV resistant coating on structure (type)	Polyester powder	Polyester powder	Polyester powder	Polyester powder
BENEFITS				
Ultrasonic laser welding (type)	Copper - Copper	Copper - Copper	Copper - Copper	Copper - Aluminium
Smart access inside collector for easy maintenance	Yes	Yes	Yes	No
Flange arrester to prevent internal damage during transit	Yes	Yes	Yes	No
Optimal heating temperature range (°C)*	70-80	70-80	70-80	65-70
Savings in energy bills per year (₹)**	18,000	27,000	36,000	15-20% lower
Warranty (years)	5	5	5	5
COMPONENTS				
Steel tank	Epoxy	Epoxy	Epoxy	Glass lined
Pure copper flat plate collector (sqm)	4.34	6.51	8.68	4, 6, 8
Polyester powder coated structure	Steel	Steel	Steel	Steel

* Calculated at direct normal irradiance of 6 kwh/m²/day

** Assuming 500 LPD water heater saves an average 20 units per day at an average cost of Rs 5 per unit for 365 days

ADITYAKIRAN

Manufacture of Solar Panels & Supplier of LED lights & Solar Projects

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