

# KETKO solar

SINCE 1941  
**KETKO**<sup>TM</sup>  
Engineered to perfection

**SOLAR** WATER HEATER



Flat Plate Collector Model



Evacuated Tube Collector (ETC) Model

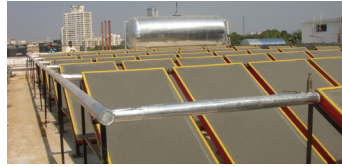
**100 to 3000+**  
Litres per day (LPD)  
ETC and FPC Systems

KETKO, the pioneers of water heaters in India since 1941 has made rapid strides in solar water heaters. Designed for 2 types of working principle - the Thermosyphon principle (non-pressure type) is ideal for domestic applications while the Forced Flow principle (Pressure Type) is ideal for commercial and industrial applications where hot water requirement is high.

## Installations



Flat Plate 500 LPD Lonavala



Flat Plate Commercial



ETC Manifold Commercial

KETKO Solar Water Heaters are robust in construction, easy to use and have been engineered to give the most efficient hot water deployment. Electrical back-up models are also available. ETC, FPC, Pressurized systems as per customer needs are provided. No wonder KETKO has been gaining immediate acceptance by discerning customers.

**Models ETC - 100, 150, 200, 250, 500 LPD (Litres per day)**

**Models FPC - 125, 200, 250, 375, 500, 625, 750, 900, 1000, 1250, 1500, 1750, 2000, 2500, 3000, & + LPD (Litres per day)**

**Higher Capacity also available as per site requirement**

## Flat Plate Collector Model

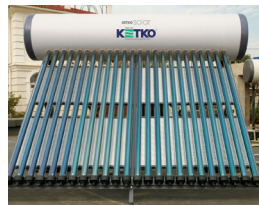
### SPECIAL FEATURES



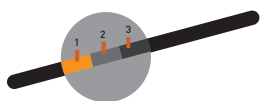
- **Water-proof construction:** Special components are used to enhance efficiency, durability and performance.
- **Unique frame:** Pre-coated GI sheet or aluminum are used for better insulation and structural strength
- **Ultrasonic welding:** Laser beam welding technology is used to ensure highest heat transfer co-efficiency.
- **Absorber material:** Headers, Risers, and fins are made using 99.9% pure copper with selective black chrome coating
- **Toughened glass:** Clear toughened glass (4mm thick) can withstand mechanical shock
- **Insulation:** Hi density rockwool insulation or PUF Hi-quality
- **Strong mounting system:** Powder coated mounting stand ensures durability

## Evacuated Tube Collector (ETC) Model

### SPECIAL FEATURES



- Maintenance-free, easy to clean
- Better performance in winter and cloudy days
- Hard water / scaling does not corrode ETC tube
- Minimum heat loss due to evacuated tubes with PVC & insulated storage tank
- Greater absorption area per day
- Upto 90% sun tracking collection
- Electric back-up for non sunny days



1. **Metal insulation layer (Copper)** - Reduce heat loss and low emission rate
2. **Absorption layers** - (Stainless steel & enameled mirror anti-corrosion & anti oxidation)
3. **Anti-reflection layer** - Ensure high absorption rate & low emission rate by reducing reflection

## Tank technical details

Outer body	MS powder coated / Aluminium
Inner container	Stainless steel (SS304 / SS316 depending upon requirement) or MS epoxy coated
Insulation	50mm thick rockwool / glasswool / PUF
Electrical backup	Optional available 3 kW for smaller systems and larger systems with 6kw, 12 kw and above
Anode protection	Option available
Operating pressure	0.5 BAR for ETC models, 1 BAR for Normal Flat Plate Systems, 4 BAR for Pressurized Flat Plate Systems

## The Ketko Solar Advantage

Characteristic	KETKO Solar	Others	KETKO Solar Advantage
Outer body	MS powder coated	Plastic	Water heater long life and rust resistant
Inner container	SS 304, SS 316	SS ordinary, MS	Durable and corrosion resistant
Insulation	PUF / Rockwool / Glasswool	Rockwool	Many options and high heat retention
Pressure tested capacity	5 BAR	1 or 4 BAR	Highest in category

## Monthly saving on electricity bills

Electric Water Heater	Electricity cost kW/hr	Number of days/month	Monthly electricity bill (In Rs) based on following daily usage		
			1 hour	2 hours	3 hours
2kW	Rs 9	30	540	1080	1620
3kW	Rs 9	30	810	1620	2430

All specifications are subject to change without prior notice. Models are continuously getting upgraded. Kindly check with your dealer for the latest version. While every precaution has been taken to ensure accuracy and completeness in this brochure, KETKO assumes no responsibility and disclaims all liability for damages resulting from use of this information or for any errors or omission.