

Advantages Over Conventional Flat Plate Collector Systems

- Hard water/scaling does not corrode the glass tubes
- Floor area requirement is 40% less
- High efficiency even in low sunlight condition due to selective coating and vacuum as insulation
- Easy installation and maintenance as light weight individual tubes are assembled into the system at the point of installation whereas in FPC entire panels have to be hoisted to terrace
- Overnight heat loss is only 4-5° C whereas in case of FPC it is 7-10° C
- Less sensitive to placement angle which facilitates plumbing and architectural freedom unlike FPC systems

Comparison for heating 100 Liters / Day	Electric Geyser	Gas Heater	Electra
Capital Cost	Rs. 4000	Rs. 4000	Rs. 20000*
Life Time	7-8 years	5-6 years	12 years
Annual Fuel Cost	Rs. 8100	Rs. 4500	Nil
Total Cost After 10 Years	Rs. 89000	Rs. 53000	Rs. 20000

* Indicated price

Model Selection

Sr. No.	Capacity in LPD (Liters / Day)	No. of persons*
1	100	4-5
2	160	6-8
3	200	8-10
4	300	12-15

* Average consideration 20-25 liters per person

Our Presence



electra
The solar energy expert

Enjoy the Sun 24 X 7



ELECTROTHERM
Renewables
A div. of Electrotherm (India) Ltd.

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Company Profile

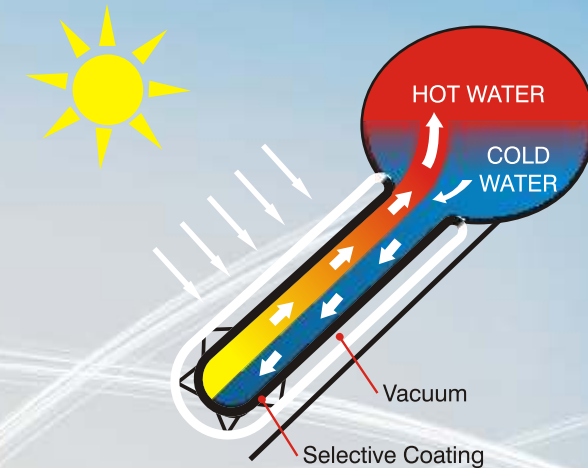
Electrotherm Renewables is a division of Electrotherm (India) Limited, mainly engaged into solar water heating system, solar process heating, air conditioning systems and utility scale concentrated solar power plants.

Electrotherm (India) Limited started in 1983, is a well diversified engineering group based in Gujarat, India. Electrotherm is a highly renowned organization engaged in manufacturing of various kind of furnaces, structural steel, angles, TMT bars, Ductile Iron (DI) pipes and India's most popular electric two wheeler brand 'YO Bykes'.

Apart of nationwide sales & service network with more than 27 offices in India, Electrotherm also exports its products to Africa, Bangladesh, China, Iran, Malaysia, Pakistan, South Africa, Turkey, Russia and other CIS countries.



How it works?



Electra Technical Details*

Inner tank

SS 304 anti-corrosion material
Automatically welded for quality and reliability

Outer tank

Pre-coated steel
Automatically seamed joints

Insulation

50 mm pressure injected high density PUF
Overnight temperature drop 4-5°C

Collector

Borosilicate Evacuated Tube Collector (ETC)
Absorption > 92%
Radiation loss < 8% (up to 80°C)

Electrical backup heater

Stucco aluminum reflectors for fast water heating

High temperature silicon rubber sealing

Electra Ensures

- n 24 hours hot water availability for all household applications
- n More than 200 exclusive showrooms first time in India for 'Feel & Buy'
- n Automatic manufacturing process for consistent quality & reliability
- n Easy availability of genuine spare parts
- n One year warranty against manufacturing defects
- n Payback within 3 years*

Electra Features

- n High thermal output with extra heat retention
- n Eco-friendly
- n Hot water even in winter and partially cloudy days
- n Electrical backup heater for additional capacity
- n Low maintenance & easy to clean
- n High temperature sustainability with longer life
- n MNRE approved
- n Attractive finance available @2% per annum



#against electricity

*Due to constant up-gradation product specification are subject to change without prior notice