

Planet **EARTH**  
Green & Sustainable Solutions

# SOLAR WATER HEATER



Saves up to 80% on  
electricity bill & also  
works during power  
cuts



Reliable and fast  
installation and  
aftersales service



Green & Clean  
energy product that  
reduces carbon  
footprint

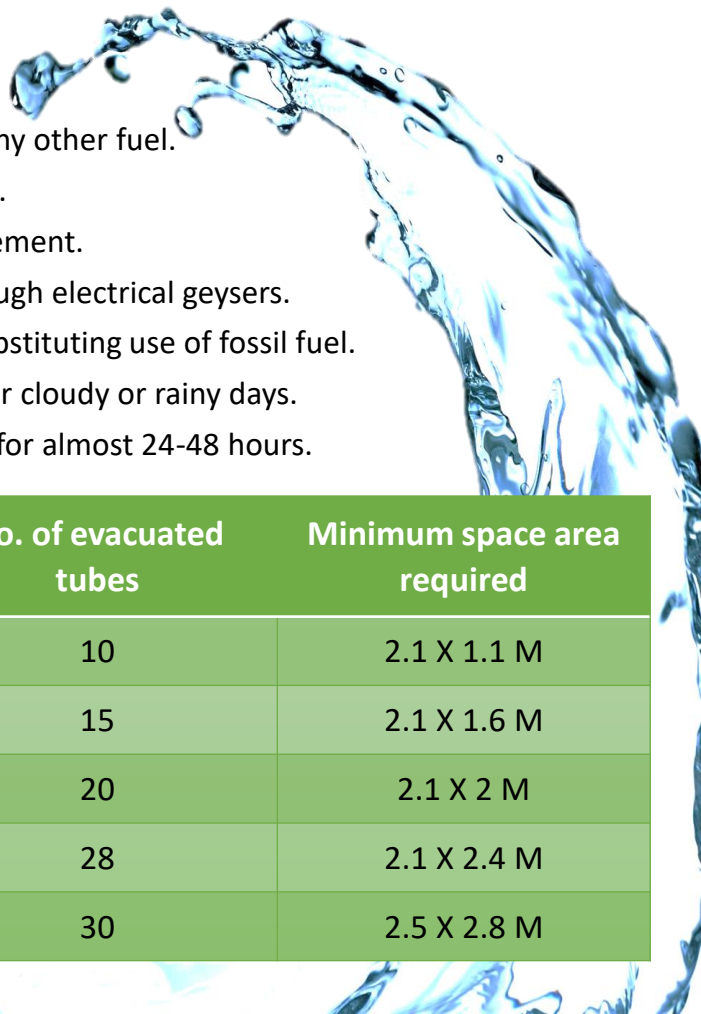


Solar water heater is the most efficient and affordable device available to use the inexhaustible source of energy coming from SUN. It uses the heat energy of sun for water heating and preserves the hot water by thermally insulated tank for our use. Water can be easily heated up to temperature of 65-80 deg C. This can be used in homes, hotels, hospitals, dairy plants, hostels, canteens etc.



### **Benefits of Installing Solar Water Heater**

- ★ Generates hot water without electricity or any other fuel.
- ★ Affordable & very efficient working principle.
- ★ Reliable - Almost ZERO maintenance requirement.
- ★ Saves electricity used for water heating through electrical geysers.
- ★ Reduce carbon footprint of our planet by substituting use of fossil fuel.
- ★ Standby electrical heaters can be installed for cloudy or rainy days.
- ★ Keeps water hot in thermally insulated tank for almost 24-48 hours.

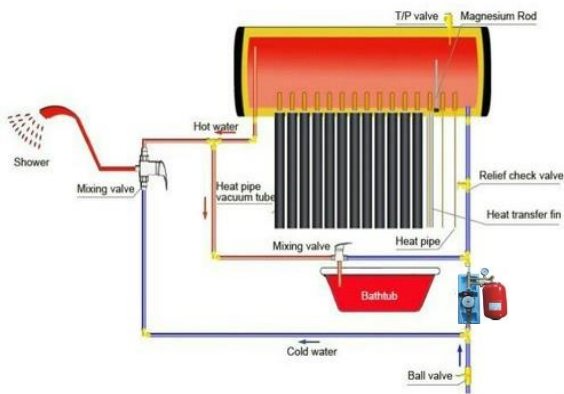


Model	No. of persons using	No. of evacuated tubes	Minimum space area required
100 LPD	2-3	10	2.1 X 1.1 M
150 LPD	3-4	15	2.1 X 1.6 M
200 LPD	4-5	20	2.1 X 2 M
300 LPD	6-9	28	2.1 X 2.4 M
500 LPD	14-16	30	2.5 X 2.8 M

# Types of Solar Water Heater by Application

## Pressurized Solar Water Heater

This type uses the all-glass evacuated solar collector tubes with heat pipes as the heat-absorbing element. The high vacuum degree of the clearance between the outer and inner tube reduces the heat emission. The copper heat pipes filled with liquid exchangers transfers heat to main tank.

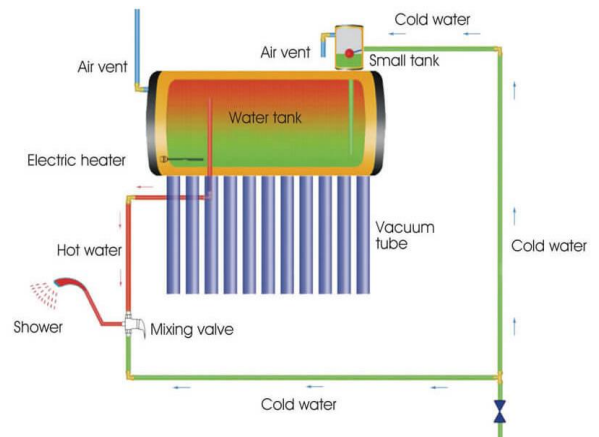


### Features:

- ✓ This system gives high pressure hot water to homes. High pressure water improves mixing of hot and cold water in modern taps and showers.
- ✓ pressurized water tank are made by precision welding .
- ✓ This is little expensive than low pressure solar heater systems.

## Non- Pressurized Solar Water Heater

The heat of sunlight is directly absorbed by the water inside inner path of vacuum tube and heats water. This system works on the thermosiphon principle. It is the most efficient and affordable way of getting hot water.



### Features:

- ✓ Can provide hot water without external power source, such as pumps and other electrical devices.
- ✓ Due to its simplicity, it is usually a cheaper option
- ✓ It is more efficient in converting sunlight into heat.
- ✓ Faster heating cycle due to direct heat exchange.

## Types of Solar Water Heater by Design

- Evacuated Tube Collector
- Flat Plate Type Collector



### Uses:

Houses, Apartments, Guest Houses, Lodges, Hotels, Hospitals, Health Clubs, Dairies and wherever & whenever you need hot water.



Sun is the Inexhaustible Source of Energy & Twenty First Century Belongs to Solar Energy. Be the First to use Clean & Free Energy to Meet your Energy Demand

### Our Solutions



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