

# EXIDE

## SOLAR WATER HEATER

The World's latest Solar Water Heating Technology  
Specially designed to suit Indian conditions



### Applications

- Homes & Hostels
- Restaurants & Canteens
- Hospitals & Nursing Homes
- Guest Houses & Choultries
- Hotels & Resorts
- Process Industries

#### SALIENT FEATURES

- Huge savings on electricity bills and pays back in one year.
- High Thermal efficiency using the World's latest, proven and tested, Evacuated Glass Tube collectors, which track the sun throughout the day and intercepts more than 93% of incident solar radiation.
- Tested at Regional Solar Energy Centre, Madurai (approved test centre of MNES & BIS, Govt. of India).
- Requires much lesser space as compared to conventional solar Water Heaters.
- Handles hard water with ease without drop in efficiency and does not require frequent internal cleaning.
- PUF insulated Stainless Steel Tank with SS cladding / G.I. ensures hot water even on winter mornings.
- Electrical back-up also available to provide additional heat during monsoon season.
- Requires practically no maintenance.
- Long Life of about 20 years with 5 years Warranty
- Available in various capacities to suit every need : 100 / 200 / 500 Litres per day and custom - built larger sizes.

#### MONTHLY SAVING ON ELECTRICITY BILLS

Rating of the Electric Geyser/ Heater	Daily Usage		
	1 hour	2hours	3 hours
	Monthly Electricity Bills (Rs.)*		
2 KW	324.00	628.00	972.00
3 KW	486.00	972.00	1458.00

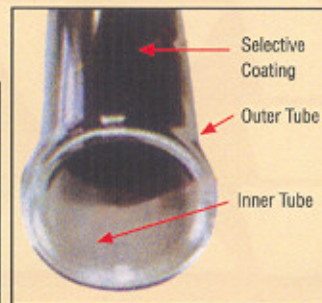
\*Assuming Rs.5.00 per KWH + Service tax and 30 days per month

Slash your  
Electricity Bills !!!  
Save Money  
Daily !!

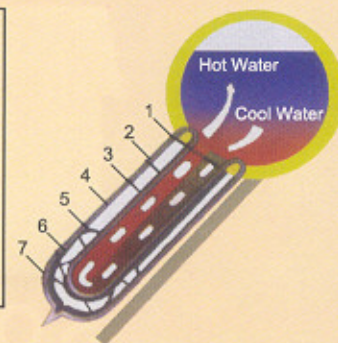


## TECHNICAL SPECIFICATIONS

Available Sizes	100 LPD	200 LPD	500 LPD
Output Water Temperature	65 ± 5°C		
Number of tubes	15	30	60
Length of tubes	1500 mm		
Tube Material	Special Grade Borosilicate Glass		
Tube outer Diameter	47 mm		
Inner Tube Diameter	37 mm with selective absorption coating layer		
System Capacity	100 litres	200 litres	500 litres
Inner Tank material	SS 316 Grade		
Tank Insulation	PUF- (Polyurethane Foam)		
Tank Cladding	Stainless Steel / GI Powder Coated		



Special Grade Borosilicate Glass Tube



1. Inner Glass Tube
2. Selective Absorbing Coating
3. Vacuum Gap
4. Cover Glass Tube
5. Supporting Component
6. Gas Absorbent
7. Absorbing Film

**Also Suitable  
for Hard Water**

*Due to continuous developments and product improvement, the company reserves the right to change / after specifications.*

## Exide vs Conventional Flat Plate Solar Heaters - Comparison of Benefits

Features	Conventional Flat Plate Solar Heaters	Exide Solar Water Heater
Sun tracking	No sun tracking possible due to flat surface collector. Maximum heat absorption only at 12 Noon.	Circular glass tubes allow Auto Sun tracking and ensures maximum heat absorption (>93%) throughout the day.
Effect of External Weather and ambient temperature.	Design dependent on ambient temperature results in low efficiency during cold weather	Design independent of ambient temperature Ideal even during winters.
Effect of Hard Water.	System efficiency drops drastically as hard water causes scaling and chokes the narrow metallic absorber pipes (12mm.) Leaks could also develop. Frequent expensive cleaning essential. Tank cleaning manually impossible due to Completely sealed design.	Non-metallic glass tubes of much larger diameter (37mm) prevents choking and ensures maximum efficiency and life of the system without frequent and tanks can be cleaned manually.
Start-up and heating time	Delayed heating process from cold to hot. Takes more than 5 hours.	Low Start-up time from cold to hot in just 2 to 3 hours.
Connections between collectors and storage tank	Uses interconnection pipes that result in heat loss and reduces system life.	Integrated design eliminates interconnecting pipes completely.
Number of collectors for a 100 LPD system.	9 or 10 fins	15 evacuated glass tubes.
Installation space requirement (for 100 LPD)	Base length of 10 feet. Can be mounted only on roof. Cannot be used for multi storeyed apartments due to heat loss in lengthy pipes from roof.	Balcony type cantilever mounting possible. Ideal for multistoreyed apartments, reducing hot water piping.
Relative position of cold water tank	Cold-water tank must be mounted at a height of about 7 to 8 feet from the base of the system.	Cold-water tank could be mounted at a height of only 4 feet from the base of the system.

Marketed by :

**CHLORIDE INTERNATIONAL LTD.**

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