

Manufacture By:

Samurai Solar System Pvt. Ltd.

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Design & Printed by:
OMEGA GRAPHICS - 098794 04847

AN ISO 9001-2008 COMPANY


Samurai™
The Ultimate Solar Energy System
SOLAR WATER HEATER

BE KIND. BE ECO FRIENDLY.

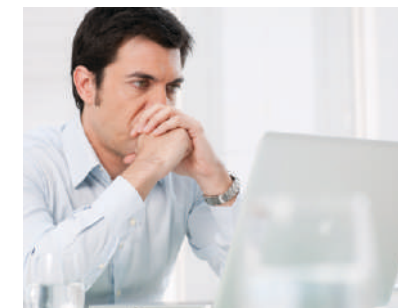
GO GREEN

GIVE BEST GIFT
EVER TO
NEXT GENERATION
BY USING SOLAR ENERGY



THE COMPANY, AT A GLANCE

We introduce Samurai Solar System Pvt. Ltd. as a leading in engineering industries with strong foundation in the Manufacturer & Exporter of All Types of Solar Water Heater. We have qualified professional and experience personal in all our department, efficient management, skill team, state-of-art infrastructure and standard process are the real strength of Samurai Solar System Pvt. Ltd. for meeting complete customer satisfaction.



UNLIMITED

source of energy that serves you forever



THE HEED OF THE COMPANY

Our Mission

We are on a mission to aware people about the green energy and its usages by providing them eco friendly and innovative solar products with standard quality services

Our Vision

Our vision is to provide substantial solar products on a large scale by making them effective and affordable.

Quality Policy

We make Quality Product, Every process here starts with quality. We take special care in the production of hygienically best quality products for our consumers. Every process here is under strict vigil of the quality control inspectors. The end products are hygienically packed to provide total satisfaction to our valuable customers.

Infrastructure

Using the expertise of our in-house Research & Development, we are continually working on new solutions to produce new products. Samurai Solar System Pvt. Ltd. is perfectly placed to handle your critical therapeutic requirements. At Samurai Solar System Pvt. Ltd., we continually strive to develop ideas that have one purpose in mind - Yield Improvement. Our continuous investment into Research and Development ensure that we will remain at the forefront of our markets for the future.



SOLAR WATER HEATER

The ultimate solar energy system



5
YEARS
WARRANTY



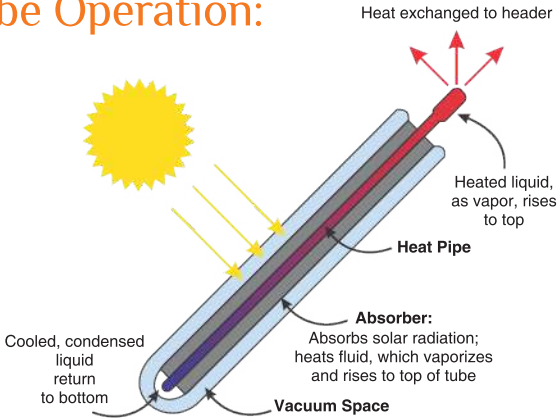
Evacuated Tube Collectors/ Heat pipes:

Type of tubes	3 layer solar selective (Inner layer of copper coating should be visible).
Material	1.6mm Borosilicate 3.3 glass
Tube Length	1800mm / 2100mm (Whatever applicable)
No. of tubes in a system	To have minimum 1 ½ sq.m. of absorber area for 100 liter tank capacity system. Absorber area will be calculated as follows:
	Area in Meter = Number of tubes X Radius in Meter X Length in Meter. 10 tubes of Dia 58 mm & length: 1800 mm will be required.

Storage Tanks Specification :

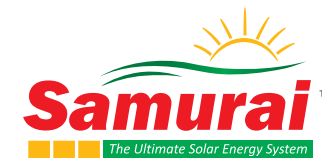
Inner Tank Inner Coating	Galvanize 2.5, S.S. and Copper material With anticorrosive coating for hard water with chlorine contents.
Inner tank welding	TIG / Seam/ pressurized weld
Thermal insulation	Minimum 50-55mm thick with CFC free PUF having density tanks
Outer Cladding	0.5mm Galvanize Iron with Polyester Powder Coating
Stand	1.6mm Galvanized Iron Polyester Powder Coating
Electric Backup	1.25" (As per user Requirement)

Evacuated Tube Operation:



SOLAR

energy is a fresh energy



Solar water heater Applications:

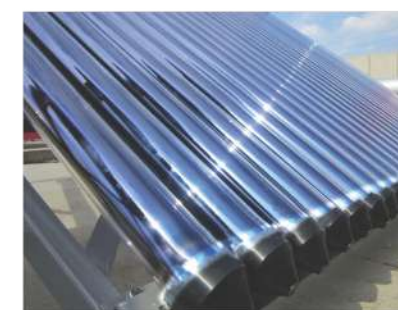
- ◆ Bathing, Washing, Apartments, Raw Houses, Apartments, Community Centers
- ◆ Hospital, Hostel, Canteens, Hotels, Guest House, Resorts, Airport, Railways, Swimming Pools
- ◆ Chemicals/Fertilize, Food processing, Textile, Dairy, Breweries, Pharmaceuticals
- ◆ Boiler Feed, Milk Industries, Rise mills

Environmental Benefits:

- ◆ A SWH of 100 litres capacity can prevent emission of 1.5 tonnes of carbon- dioxide per year.

Payback Period:

- ◆ 3-4 years when electricity is replaced, 5-6 years when coal is replaced
- ◆ Solar Water Heater Benefits: A 100 litres capacity SWH can replace an electric geyser for residential use and saves 1500 units of electricity annually.



Eco friendly attempt to care for

NATURE



SOLAR ENERGY IS A FUTURE OF ENERGY. A GLOBAL REALITY.

What Is A Solar Water Heater?

A solar water heater is extremely simple.

A Solar Water Heater is a device which provides hot water for bathing, washing, cleaning, etc. using solar energy.

It is generally installed at the terrace or where sunlight is available and heats water during day time which is stored in an insulated storage tank for use when required including mornings.

How It Works

Solar Water heater consists of mainly 2 parts. One is the collector and other is Insulated tank. The cold water in the collector get heated up and collected in the tank by thermo siphon principle. This circulation continue till the water in the tank heated up to 60-80° centigrade. The hot water in the tank remains hot for more than 48 hours

Why Max Sun Power Using Etc ?

ETC technology which is the most advanced and state of art technology in Solar Water heaters. The efficiency is more than in a flat plate solar water heater. ETC water heaters produce hot water even in winter / rainy days. The main part of ETC solar water heaters are PUF insulated tank and Evacuated Glass tube collectors. The vacuum tubes are with different diameter and length according to applications.

