



YOUR RELIABLE  
PARTNER FOR  
SOLAR ENERGY  
SINCE 1992

**solarizer**  
Solar Hot Water Systems  
DEPENDABLE . DURABLE . DISTINCTIVE

# PERFECT SOLUTION TO HARD WATER PROBLEMS!

## THE MOST RELIABLE SOLAR HOT WATER SYSTEM FOR ALL.

Emmvee is an intelligent solar solutions producer born from an idea to implement green energy to better use. We aim at providing universally designed products to support all kinds of contemporary and sustainable living. Amidst our industrial product range, Photovoltaics and Solar Water Heating Systems are our strongest since inception in 1992.

### Are you tired of hard water corroding your water heater?

Almost 80% of Indian homes have complaints about hard water problems. In the period of long usage, hard water sedimentation affects the performance level of a regular heater and leads to its decay. To solve hard water problems once and for all, we introduced Solarizer Ultra.

Solarizer Ultra is a power-pack performer that meets your water heating needs without the worry of corrosion due to hard water, leaks or blockages and time constraints while enabling comfort at all times. Rest assured, it is one of the most dependable choice of all. It also has a full-plate absorber with a highly selective German coating which provides more area to absorb sunlight. As a result, it emits almost no radiation, enabling faster water heating.



## FEATURES



ECOLOGICALLY SOUND



CORROSION RESISTANT



UNIQUE HEAT EXCHANGER DESIGN



SUPERIOR DURABILITY



CONVENIENT INSTALLATION



HIGHLY SELECTIVE ABSORPTION SHEETS (GERMAN TECHNOLOGY)



LASER WELDING TECHNOLOGY TRANSFERS HEAT QUICKER

## BENEFITS



ONE TIME INVESTMENT



EXTREMELY HYGIENIC & SAFE



PEACE OF MIND



NO WORRIES OF CORROSION OR LEAKS



EFFICIENT HEATING PERFORMANCE

## TECHNICAL SPECIFICATION

### Hot water storage tank specifications

MATERIAL OF STORAGE TANK	GLASS ENAMEL COATED
INSULATION	CFC FREE PUF (50mm THICKNESS)
OUTER CLADDING	PRE-COATED STEEL (RAL7035)
SAFETY VALVE	AIRVENT FOR THERMOSYPHON & 6 BAR SAFETY VALVE FOR PRESSURISED SYSTEM
ELECTRICAL BACKUP HEATER	2 Kw BACKUP HEATER/230 Vac
WORKING PRESSURE	6 BAR FOR PRESSURISED SYSTEM
TANK CONSTRUCTION	JACKET TYPE HEAT EXCHANGER
TANK PROTECTION	MAGNESIUM ANODE
TANK CAPACITY	100, 200, 300 AND 500 Lpd

### Collector specifications

ABSORBER CONSTRUCTION	SINGLE SHEET ABSORBER
ABSORBER COATING	HIGH SELECTIVE COATING ABSORPTIVITY: 0.95+/-0.002; EMISSIVITY: 0.047+/-0.02
GLAZING	SOLAR GLASS
RETAINER KEY FOR GLASS	EXTRUDED ALUMINIUM WITH GREY COLOUR POWDER COATING
RUBBER BEADING FOR GLASS	EPDM RUBBER
HEAT EXCHANGE MEDIUM	GLYCOL MIXTURE (PRIMARY CIRCUIT)
WEIGHT OF COLLECTOR (DRY)	32 Kg
MAXIMUM WORKING PRESSURE	10 BAR

## HAMSA SOLAR SYSTEM

#13,2nd Main,Siddivinayaka layout  
Near Janajeevan Castel Apartment  
Virupakshapura,Bengaluru-560097  
Ph:+9180-23644569/42069994  
Web:www.hamsaenviro.com  
Email:hamsasolarsystem@gmail.com

