Solarizer
Solar Hot Water Systems
DEPENDABLE . DURABLE . DISTINCTIVE

EMMVEE

Solarizer anywhere
Fits everywhere....

PRODUCT SPECIFICATIONS		
Model	ES300P	ES500P
Storage capacity	300 liters	500 liters
Tank	Glass enamelled	Glass enamelled
Maximum pressure	6 bar	6 bar
Pressure safety valve	Yes	Yes
Air relief valve	Yes	Yes
Heat exchange medium	Glycol-water mixture	Glycol-water mixture
Collectors	ES2000B	ES2000B
No. of collectors	2	4
Pump	12 V DC with MPP tracker	
Photovoltaic module	12W	12W
Auxillary heater	Electrical (2kW)	Electrical (2kW)
Sacrificial anode	Magnesium	Magnesium
Inter-connecting pipes	UV resistant insulated copper	UV resistant insulated copper
Weight	520 kg (Approx.)	750 kg (Approx.)
Temperature over protection valve	Optional	Optional
Collector tilt	30 degree	30 degree
Color	RAL7035	RAL7035

A^{++} of luxury bathing.....

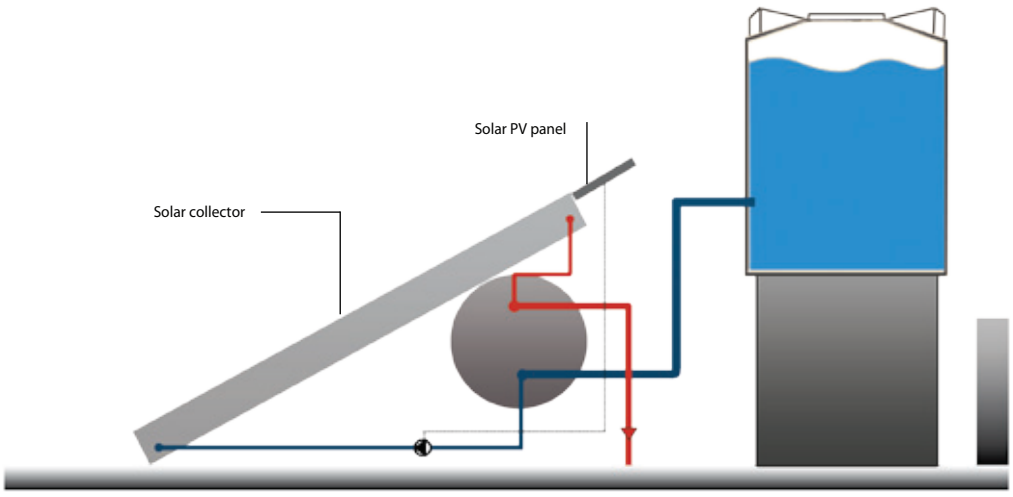
Low / No visibility systems

PV based force circulation solar hot water system

Solarizer photovoltaic is a special solar hot water system. The solar hot water system uses a small photovoltaic module to circulate the heat exchange medium between the solar collector and storage tank. The tank of this system is mounted below the solar collector and therefore the system is very compact. The floor area occupied by the system is also very small compared to conventional solar hot water system.

The main advantage of this system is that the solar hot water system is not at all visible on your building and does not need any electricity from the grid. The system is fully autonomous and can work continuously for a long period of time. The special MPP Tracker system will ensure that the water pump operates very efficiently and has a useful life for more than 50,000 hrs. The solar PV module has a life of more than 25 years! The pump has an inbuilt MPP tracker and thus operates optimally without generating any sound or noise.

As the tank is mounted very low on the roof there is no need to have a overhead tank at an height (usually 6-8 feet is required in a conventional system). This is a great advantage in houses or buildings where it is impractical to raise the height of the overhead tank. The system is totally autonomous and will work continuously without the use of any electrical power drawn from your house.



Representation of a installed Solarizer Anywhere, solar hot water system

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