

A high-end, modern bathroom with marble walls, dark wood cabinetry, and a freestanding bathtub. The room features two vanity sinks with oval mirrors and sconce lighting. A large window with dark curtains is in the background, and a patterned rug runs down the center of the room.

**EXPERIENCE THE
WARMTH OF LUXURY**
SUPERIOR QUALITY, ASSURED RELIABILITY
EMMVEE SOLARIZER ELITE HYBRID

Solarizer elite HYBRID

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.



House of Emmvee presents Solarizer Elite Hybrid especially suited for larger homes which need hot water at any point in the day. It is the most hygienic and safe water system there is.

The high efficient circulator heat pump makes hot water available 24 hours a day. It is an extensively unconventional system which can be installed anywhere in the house, be it the basement or the store-room by connecting the hot water to many points in the house through an insulated pipe line. It can also be connected to a pressure boost pump. Conventional Hot Water systems only provide hot water systems in the presence of sunlight. Whereas, Solarizer Elite Hybrid is supported by a storage tank which is designed to provide bulk hot water for consumption even during non-sunshine hours.

BENEFITS



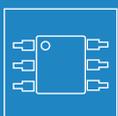
SUPERIOR
PERFORMANCE



INTERNATIONAL
QUALITY STANDARDS



DURABILITY
ASSURED



BEST INTERNATIONAL
COMPONENTS



SAFEST & HYGIENIC
SYSTEM



CONVENIENT
INSTALLATION

FEATURES



To prevent corrosion and maintain hygiene, it is supported by a Glass Enamel coated tank



To induce Anti-freezing and efficient heating, Glycol-Water based heat transfer fluid is provided



For efficient heat transfer, Helical coil heat exchanger is provided (for solar and heat pump circuit)



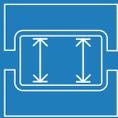
For air source, a heat pump is supported



For low power consumption, high efficient circulator pump



Sophisticated electronic controller for solar circuit and heat pump for automated operation



To initiate flexibility in design we have built-in an easy cascading for a higher volume of water



Easy monitoring through heat metering facility (optional) Remote monitoring via the internet (optional)



Our collectors have attained certification in Solar Key Mark

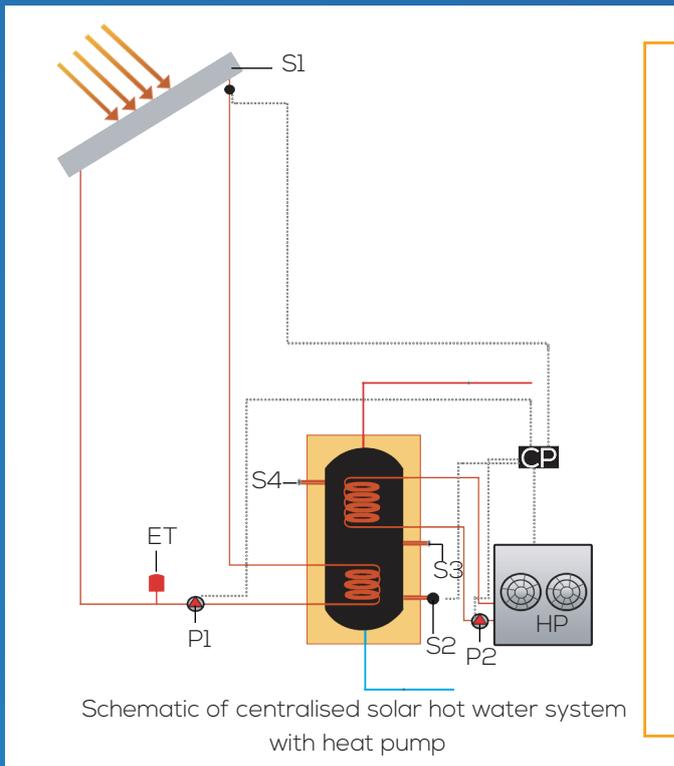
SPECIFICATION

MODEL	ES500P
NO. OF COLLECTORS	4
COLLECTOR MODEL	ES2000B
STORAGE TANK	500 LITRES
COATING	GLASS ENAMELLED

HEAT EXCHANGER

SOLAR SIDE	YES, HELICAL COIL
WORKING PRESSURE (DOMESTIC HOT WATER SIDE)	6 BARS
SOLAR SIDE (HEAT EXCHANGER)	10 BARS
AUXILIARY SIDE (HEAT EXCHANGER)	10 BARS
CONTROLLER (DTC WITH SENSORS)	YES
EXPANSION TANK (SOLAR & AUX.)	YES
SAFETY VALVE (SOLAR & AUX)	YES
AIR RELEASE VALVE (SOLAR)	YES
ANODE	MAGNESIUM
HOT WATER PIPING (OPTIONAL)	COPPER
PUMPS	70-100W 100-120W
HEAT EXCHANGE MEDIUM	EMMVEEOL (GLYCOL-WATER MIXTURE)

INTEGRATION OF SOLAR HOT WATER SYSTEM WITH HEAT PUMP



S1 - Sensor (collector)

S2 - Sensor (tank)

S3 - Sensor tank top)

S4 - Sensor (tank mid)

CP - Control panel

HP - Heat pump

ET - Expansion tank

P1 and P2 - Pump

The diagram explains how solar collectors and heat pumps work together and heat up the water in the storage tanks. The storage tank shown in the diagram is a twin coil for the solar heating source and secondary heating source (in this case heat pump). The system has an automated control system to switch on and off of the heat pump(s), depending on the heat load of the building.

EMMVEE also manufactures enameled tanks for the large volume of storage with and without single and twin helical coil heat exchanger.

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(An ISO 9001:2015 & ISO 14001:2015 Certified Company)

