

Notes:

1. The installation may only be carried out by the qualified professionals.
2. The pipes must be insulated with a suitable UV resistant material of the appropriate thickness in order to reduce heat loss and protect the pipes from freezing.
3. If you choose the model with heating element function, you must have reliable grounding. It is strictly forbidden to use this product without reliable grounding.
4. To avoid scalding, when the temperature of hot water is higher than 50 °C, it must be mixed with cold water before use.
5. It should be installed in a sunny and open area for getting high efficiency.
6. Unfiltered water can cause system corrosion, it is recommended to use soft water.
7. The system may only be installed on a roof surface. The static load-bearing capacity of the roof must be checked in accordance with local and regional stipulations at the site prior to the installation of the panels, if necessary by means of the commissioning of a structural engineer.

Please follow the installation instructions, the company is not responsible for damage and safety accidents caused by improper operation of the user!

MORE INFO & HELP

Email ENERA: info@enera-solar.com

Call ENERA: +34 634 799 310

F.A.Q: www.enera-solar.com/faq/

Manuals: www.enera-solar.com/download/

Warranty: www.enera-solar.com/warranty-terms/

WARRANTY

- The warranty of all installed equipment is 2 years
- This period is valid if the magnesium corrosion anode is replaced every 12 month
- In the long-term non-use of the solar heater, it is recommended to close the cold water supply to the system for more than 72 hours
- The system must only be started when there is no sun
- That is, during the morning or the night
- Filling the tank during the day leads to its failure, the guarantee would NOT be valid

WARRANTY CARD

System:

Installation Date:

- STAMP -

ENERA
Partida el Planet 208 | 03590 Altaia
www.enera-solar.com

(Client) Sign to Approve

INSTALLATION MANUAL

STANDARD WATER HEATING SYSTEM

Tankless Compact Pressurized Solar Heater

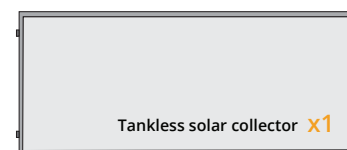


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TECHNICAL DATA

Model	150L	300L
Aperture area of collector	1.79m ² (SPM150L)	1.79m ² (SPM150L)*2
Dimensions (LxWxH)	2100*850*210mm	2100*850*210mm*2
Weight (Empty)	50kg	50kg*2
Capacity	145L	290L
Waterproof IP ratings	IP4	IP4
Max. working temperature	95°C	95°C
Rated pressure	5bar	5bar
Power for heating element	2KW	2KW
Size for inlet and outlet	2*3/4"	2*3/4"
Installation	Flat roof / Slope roof	Flat roof / Slope roof
Person	3~4	5~7

PACKAGING LIST



Screw M8*15 x17

Anti-wind feet x4

Copper plug x2

Press pad x2

Screw M8*45 x2

Installation manual x1

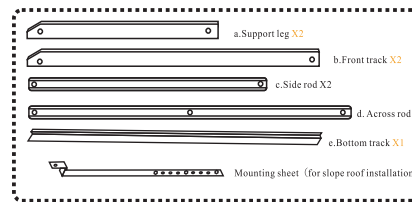
Nut M8 x19

Cap x1

Negative pressure valve x1

Tee x1

Safety valve x1



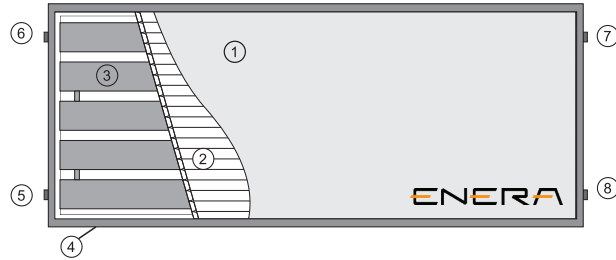
Optional accessories:

Heating element 2KW (G3/4") x1

Controller x1

Temperature Sensor x1

SYSTEM SPECIFICATIONS



1. Tempered safety solar glass
2. Clear heat insulation
3. Storage tank
4. Case
5. Drain hole
6. Outer hole
7. Reserved hole
8. Inlet hole

CHECK BEFORE INSTALLING:

1. All surfaces are undamaged
2. All items from the Packaging List are present
3. Relevant documentation & warranty card are present

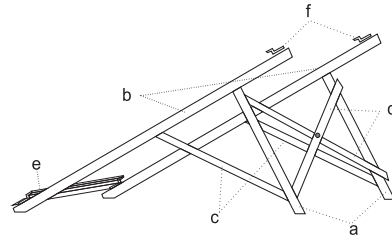
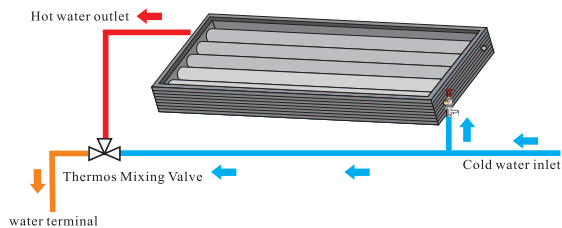
> If anything is missing, call your ENERA distributor for advice

INSTALLATION

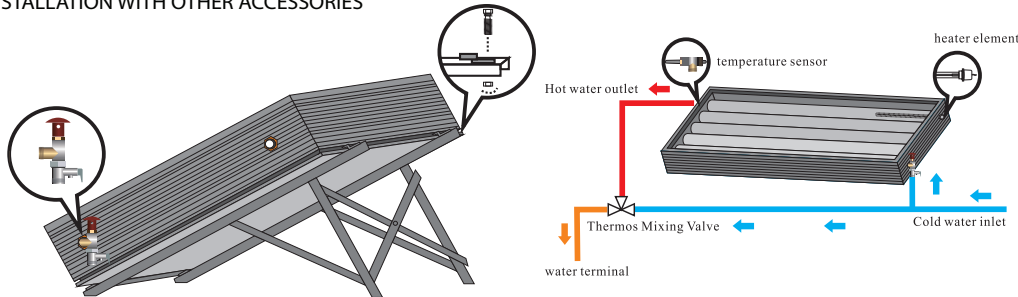
FLAT ROOF INSTALLATION:

The standard solar water heater should be installed in a sunny place with its bracket securely attached to a hard object on a roof with the galvanized iron wire, expansion screw or cement.

SCHEMATIC DIAGRAM



INSTALLATION WITH OTHER ACCESSORIES

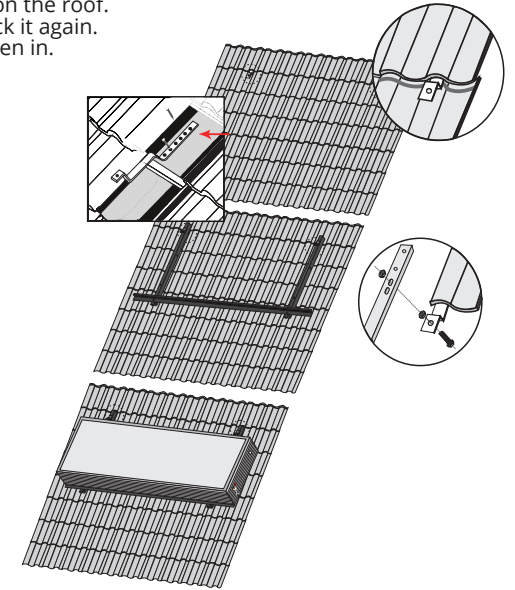
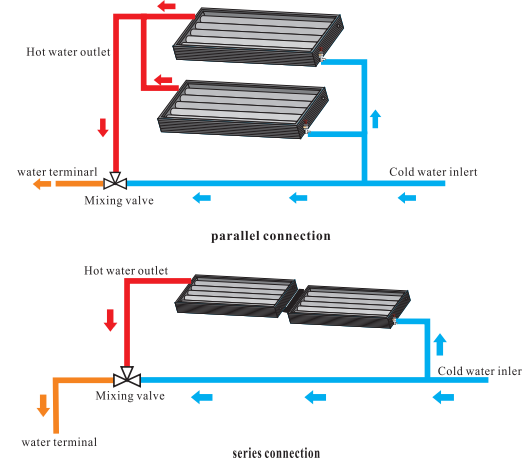


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ON-ROOF INSTALLATION:

The standard solar water heater should be installed in a sunny place. Use expansion screws to fix the mounting sheets on the roof. Fix the front track on the mounting sheet and check it again. Install the bottom track on the front track and tighten in. Install the flat tank after you check it. Install the connector according to the diagram.

PARALLEL HYDRAULIC CIRCUITRY FOR A LARGE NUMBER OF PANELS



MAINTENANCE

If the system surface area is not clean, it will reduce the reflecting rate when the dust adhere to the surface of the collector. Therefore, the surface area of the collector should be cleaned at least every 6 months.

NOTE: THIS MUST BE DONE BY A PROFESSIONAL TROUBLESHOOTING

PROBLEM	REASON	SOLUTION
Water is not hot on a sunny day	The front of solar water heater has a tower, trees, tall buildings, fences or other water heaters stopping the sunshine getting through, thus causing the water temperature being low	Move the solar heater to an area with less shade, or remove the object in front of the system
	Hot outlet valve is leaking or is not properly closed	Check the outlet valve
No hot water come down	Negative pressure valve is damaged	Check the negative pressure valve
No hot water come down in winter	The pipes are frozen	Use heat pipe preservation

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