

Solar water heater

300 L -separated system

Tank size : $\phi 560 \times 1830 \text{mm}$



SPECIFICATION OF THE TANK

Dimension	$\phi 560 \times 1830 \text{mm}$
Inner tank material	SUS304
Inner tank material	1.2mm
Housing material	Colored steel
Housing materiel thickness	0.5mm
Insulation material	Polyurethane foam
Insulation thickness	50mm
Max working pressure	6 bar
Electric heating	2kw

2 pcs of flat collector

SPECIFICATION OF FLAT COLLECTOR

Dimension	2000*1000mm
Max working pressure	6 bar
Cover	3.2mm tempered glass
Backplate	0.3mm colored steel
Housing material	Aluminium alloy
Absorber	Black chrome
Absorption	0.97
Head pipe	φ22 TP2 copper*2
Riser pipe	φ8 TP2 copper*7
Insulation	PET
Frame material	color coated steel

Flat collector



Tank



Main accessories



Controller

Regulate the temperature and flow of water. Ensure that the system operates efficiently by turning the pump on or off based on the temperature of the solar collector and the water tank. Helps prevent overheating. Ensure that energy is used effectively.



Circulator

Responsible for moving the water or heat transfer fluid between the solar collector and the storage tank. Ensure that the heated water from the solar collector flows into the tank for storage, allowing the system to efficiently transfer heat and maintain optimal performance. Controlled by solar controller to operate.



Expansion vessel

Manages the pressure changes that occur as the water heats up and expands. As the water warms, it increases in volume, and the expansion vessel absorbs this extra pressure to prevent damage to the system. Ensure that the system operates safely and efficiently.

Other accessories

Collector connection



Direct connector



three way



Exhaust valve connection



Pipes



Pipe insulation



System setup

split pressurized solar system diagram

