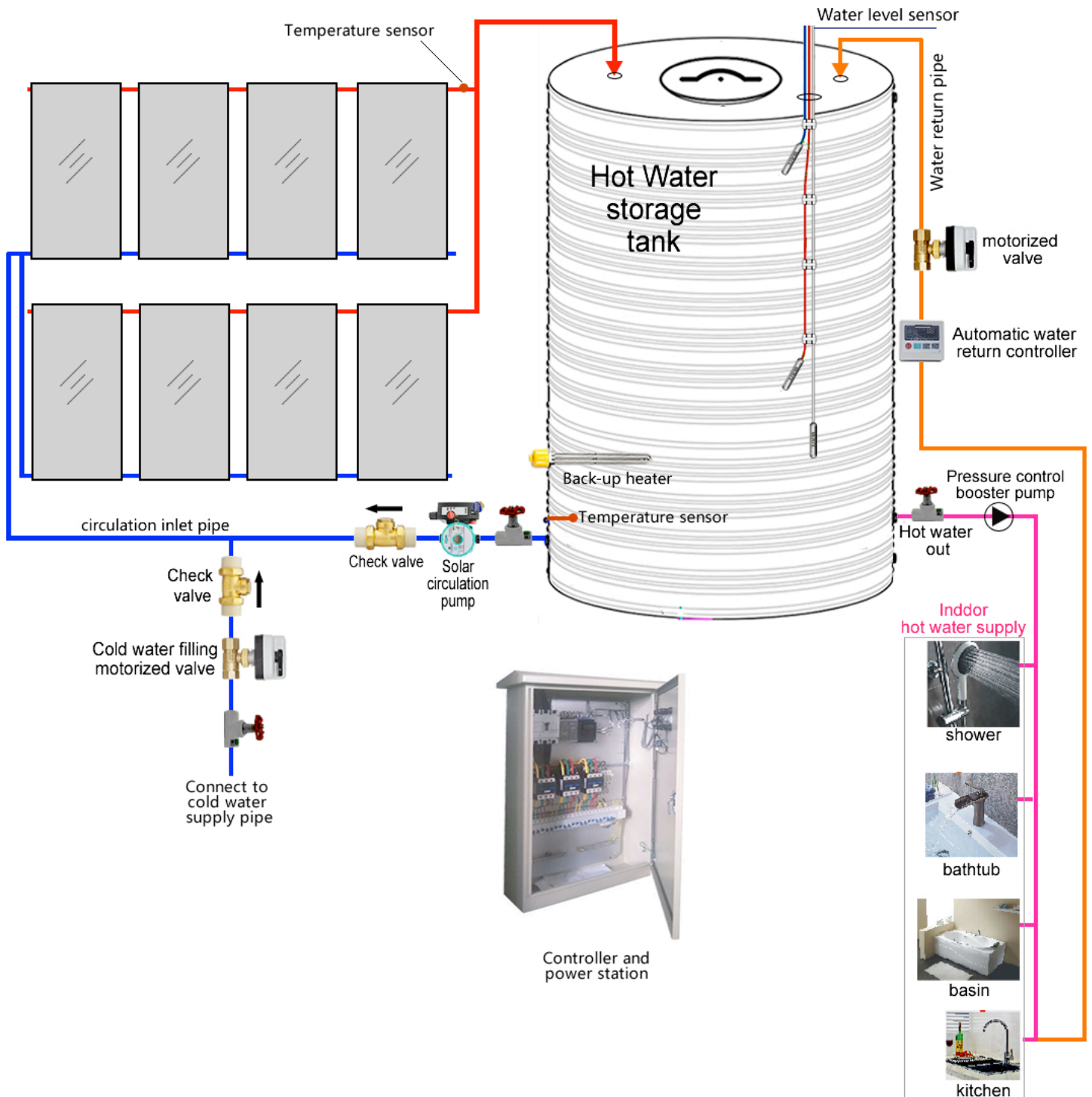


Solar Thermal Central water heating system



Know about this system:

Solarshine's Solar thermal central water heating system is combined with high efficiency solar collector, hot water storage tank, pumps and assistant parts such as pipes, valves etc.

Through our professional control system, we can preferentially use the heat obtained by solar radiation. In sunny days, the system can meet the demand of hot water generated by solar energy, the back-up electric heating element is a necessary auxiliary heat source. When the hot water produced by solar energy fails to meet the use requirements in continuous rainy days or a small part of the hot water needs to be kept constant temperature at night, the electric heater starts heating automatically.

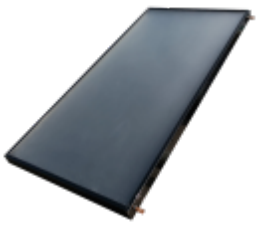







Standard Components of the system:




1. Solar collectors
2. Hot water storage tank
3. Solar Circulation pump
4. Cold water filling valve
5. Back-up electric heater element
6. Controller and power station
7. All the necessary fittings, valves and pipe line
8. **Other optional parts need to be purchased separately according to the actual situations (such as quantity of shower, building floors, etc)**

8-1:Hot water booster pump (use to increase pressure of hot water supply to shower and taps)

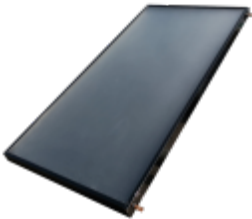



8-2:Water return controller system (used to maintain a certain hot water temperature of hot water pipeline and make sure fast indoor hot water supply)








1000L Solar Thermal water heating system

Item	Part Name	Product Picture	SPECIFICATIONS	Qty	
1	Flat Plate Solar Collector		PB-2.0A High efficiency flat plate solar collector *Gross/Aperture area: 2.0/1.85M2 *Ext. Dimension: 2000X1000X70MM *Absorber: Alumim+selective black chrome coating *Fluid tube: Copper TP-2 *Glass: 3.2mm low-iron tempered glass	8	PCS
2	Mounting stand for solar collector		*Material: 201# Stainless steel *Wall thickness: 1.15MM *Fix Screws: Stainless steel screws	8	sets
3	Connector of solar collector		Brass fittings	22	sets
4	Water storage tank		1000L non-pressurized stainless steel water storage tank *Inner layer: 0.45mm SUS304 stainless steel *external layer: 0.4mm SUS304 stainless steel *Middle layer: 50mm high density polyurethane heat protection foam	1	Set
5	Solar circulation pump		PUM200 hot water pipe circulation pump *Power input 250W	1	Set
			Pump floor base and protection cover for outdoor installation	1	Set
6	Cold water filling valve		DN20 Motorized valve with outdoor protection cover	1	Set
7	Automatic Hot water Pressure booster pump		Pum600 water booster pump with automatic pressure controller/Power=750W	1	Set
			Pump floor base and protection cover for outdoor installation	1	Set
8	Automatic Water return system		Automatic water return controller Water return controller + motorized valve	1	Set

9	Pipe and fittings kits		Standard fittings and pipes kits *For connection of solar collector, heat pump heater to water tank. *All pipe is PPR internal + EVA heat insulation external layer	1	Set
10	Electric heater		3KW electric back-up heater	1	Set
11	Control and power station		Automatic controller with water filling, solar temperature differential circulation, electric Leakage protection switch	1	set

1500L Solar Thermal water heating system

Item	Part Name	Product Picture	SPECIFICATIONS	Qty	
1	Flat Plate Solar Collector		PB-2.0A High efficiency flat plate solar collector *Gross/Aperture area: 2.0/1.85M2 *Ext. Dimension: 2000X1000X70MM *Absorber: Alumim+selective black chrome coating *Fluid tube: Copper TP-2 *Glass: 3.2mm low-iron tempered glass	12	PCS
2	Mounting stand for solar collector		*Material: 201# Stainless steel *Wall thickness: 1.15MM *Fix Screws: Stainless steel screws	12	sets
3	Connector of solar collector		Brass fittings	30	sets
4	Water storage tank		1500L non-pressurized stainless steel water storage tank *Inner layer: 0.45mm SUS304 stainless steel *external layer: 0.4mm SUS304 stainless steel *Middle layer: 50mm high density polyurethane heat protection foam	1	Set

5	Solar circulation pump		PUM200 hot water pipe circulation pump *Power input 250W	1	Set
			Pump floor base and protection cover for outdoor installation	1	Set
6	Cold water filling valve		DN20 Motorized valve with outdoor protection cover	1	Set
7	Automatic Hot water Pressure booster pump		Pum600 water booster pump with automatic pressure controller/Power=750W	1	Set
			Pump floor base and protection cover for outdoor installation	1	Set
8	Automatic Water return sysetem		Automatic water return controller Water return controller + motorized valve	1	Set
9	Pipe and fittings kits		Standard fittings and pipes kits *For connection of solar collector, heat pump heater to water tank. *All pipe is PPR internal + EVA heat insulation external layer	1	Set
10	Electric heater		3KW electric back-up heater	2	Sets
11	Control and power station		Automatic controller with water filling, solar temperature differential circulation, electric Leakage protection switch	1	set