





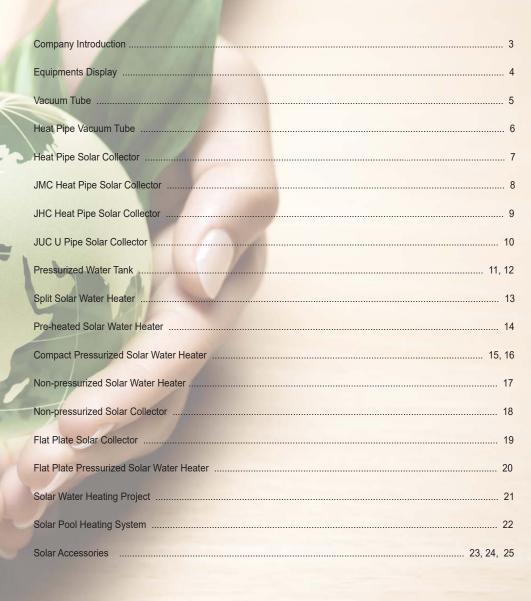




www.jinyi-solar.com









Jiaxing Jinyi Solar Energy Technology Co., Ltd., located in Jiaxing city, Zhejiang Province, near Shanghai city, dedicated to the solar thermal application since 2000 year, specialized in researching, producing and marketing solar water heater, has an annual production capacity of 150,000 units.

As an ISO 9001:2008 certified company, we are a professional manufacturer of high pressurized solar water heating products, such as: heat pipe compact pressurized solar water heater, heat pipe solar collector, U pipe solar collector, high pressure water tank, also produce non-pressurized solar water heater. Have acquired the Solar Keymark certification (EN12975 & EN12976) for different products, also have got the latest Europe Union Energy Efficiency Class (EN12897), have export to over 60 country, OEM service welcomed.

Based on "honesty basis, quality guarantee, customer first" principle, Jinyi people will be pleasured to provide sincere and professional services for all customers, we are looking forward to establishing a long term cooperation with clients from all over the world.











Vacuum tubes are the absorber part of solar water heater, consisting of double-layer coaxial glass tubes, made from extremely strong borosilicate glass 3.3, the inner tube coated by absorber selective coating, which absorbs solar energy and converts it into thermal energy for water heating. This type of tube is chosen as its reliability, efficient performance and low cost. More and more people regard vacuum tubes as their first choice in water heating.





Parameter table

Mo	del	JVN	JVT		
Stru	cture	All-glass double-layer coaxial			
Tube n	naterial	High quality boro	silicate glass 3.3		
Outer tube diame	eter and thickness	Φ=47 & =1.6mm,Φ=58 &	=1.6mm / 2.0mm / 2.2mm		
Inner tube diame	ter and thickness	Ф=37 & =1.6mm,	Φ=47 & =1.6mm		
Tube	length	1500mm	/ 1800mm		
	Structure	AL/N/AL	ALN/AIN-SS/Cu		
Absorptive coating	Sediment method	Magnetron spi	uttering plating		
Absorptive coating	Absorptance	a=0.88-0.92(AM1.5)	a=0.93-0.96(AM1.5)		
	Emittance ratio	Σ=0.04-0.08(80°C±5°C)	$\Sigma\text{=}0.04\text{-}0.06(80^{\circ}\text{C}\text{\pm}5^{\circ}\text{C})$		
Vacuun	n quality	p ≤ 5.0 × 10 ⁻² Pa	$p \le 5.0 \times 10^{-2} \text{Pa}$		
Stagnation	parameter	Y=250-260㎡. °C/kw	Y=270-300m². °C/kw		
Solar irradiation	under stagnation	H=4.7MJ/m ²	H=3.7-4.2MJ/m ²		
Average heat	loss coefficient	U_{LT} =0.6-0.84W(m^2 .°C) U_{LT} =0.4-0.6W(m^2 .°C			
Hail res	sistance	Ф25mm / Ф40mm			

















The heat pipe is hollow with the space inside evacuated, the same as vacuum tube. In this case insulation is not the goal, but rather to alter the state of the liquid inside. Based on principle of water boiling at a lower temperature with decreased air pressure. The heat pipes used in our solar collectors have a boiling point of only 25 C. So when the heat pipe is heated above 25 °C the water vaporizes. This vapor rapidly rises to the top of the heat pipe and transfers the heat. As the heat is exchanged at the condenser top, the vapor condenses to form liquid and returns to the bottom of the heat pipe atonce and then repeats the process.



Model: JVH-14

Vacuum tube: Borosilicate glass 3.3, Φ58×1800mm

Heat transfer fin: United aluminium sheet

Heat pipe: Red copper, condenser diameter: Φ14mm

Sealing: Silicone rubber



Model: JVH-24

Vacuum tube: Borosilicate glass 3.3, Φ58×1800mm

Heat transfer fin: United aluminium sheet

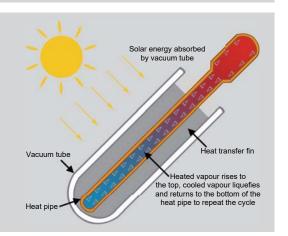
Heat pipe: Red copper, condenser diameter: Φ24mm

Sealing: Silicone rubber



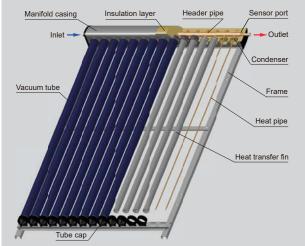
Characteristic:

- 1. A perfect combination of vacuum tube and heat pipe, dry connection, special used for high pressure system.
- 2. Start speed is quick.
- 3. No water in vacuum tube, it can effectively prevent lowing of heat efficiency due to frost cracking or scaling.
- 4. Frozen protection, can be used in -50 ℃ condition.
- 5. Each individual tube work independently, the whole collector can still work if tube damaged.





The heat pipe solar collector is always connected with existing heating supply device. The selective coating on the inner cover of the vacuum tubes converts solar energy into thermal energy and transfers heat to the heat pipes by aluminum fins. The liquid in the heat pipes changes into vapor which rises to the condenser. The heat then passes through the heat exchanger and the vapor becomes liquid, returning to the base of the heat pipe. The heat conducts to the heat transfer liquid via a copper pipe. This transference of heat into the liquid creates a continuous circulation as long as the collector is heated by the sun.



Specification:

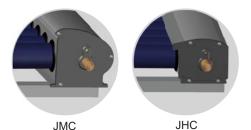
Vacuum tube: Borosilicate glass 3.3

Header pipe: Red copper Heat pipe: Red copper

Manifold casing: Aluminium alloy Insulation layer: Rock wool Frame: Aluminium alloy

Heat transfer fin: United aluminium sheet

Working pressure: 6 Bar



Characteristic:

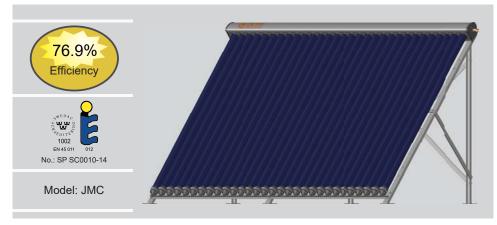
- Solar Keymark certified.
- High efficiency η 0 = 0.769 (aperture area).
- Low temperature resistance, can be used in -50 °C.
- Passively tracks the sun.
- Flexible size and mounting options.
- Easy to replace individual tubes in the event of tube damaged.





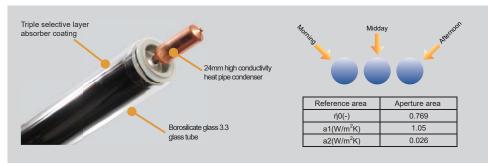








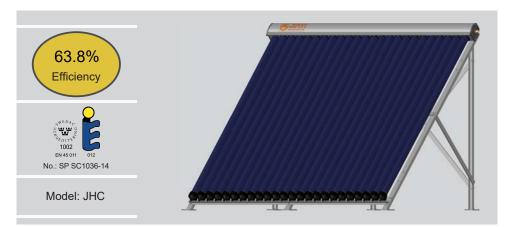
ı	Tm-Ta	Global Irradiance G					
ı	IIII-Ia	G=400W/m ²	G=700W/m ²	G=1000W/m ²			
ı	0k	880W	1541W	2180W			
ı	10k	839W	1499W	2141W			
ı	30k	730W	1390W	2021W			
١	50k	587W	1247W	1847W			



Parameter table

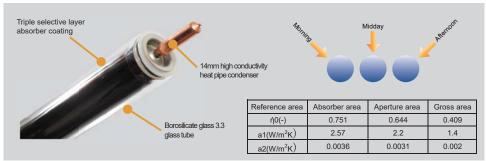
	Model	Heat pipe vacuum tube		Condenser	Power output	r output L/W/H (mm)		Loading Qty. (set)		
	iviodei	Dia. / Le	en. (mm)	Qty. (pcs)	(mm)	(W)	L/VV/H (IIIIII)	20GP	40GP	40HQ
J	MC-5818-10	58	1800	10	Ф24	727	1960 x 890 x 160	162	330	378
J	MC-5818-12	58	1800	12	Ф24	872	1960 x 1040 x 160	142	292	340
J	MC-5818-15	58	1800	15	Ф24	1090	1960 x 1235 x 160	128	264	306
J	MC-5818-18	58	1800	18	Ф24	1308	1960 x 1490 x 160	104	214	248
J	MC-5818-20	58	1800	20	Ф24	1454	1960 x 1640 x 160	98	202	234
J	MC-5818-22	58	1800	22	Ф24	1599	1960 x 1790 x 160	91	188	218
J	MC-5818-24	58	1800	24	Ф24	1744	1960 x 1940 x 160	86	178	206
J	MC-5818-25	58	1800	25	Ф24	1817	1960 x 2015 x 160	84	174	202
J	MC-5818-30	58	1800	30	Ф24	2180	1960 x 2390 x 160	73	150	175





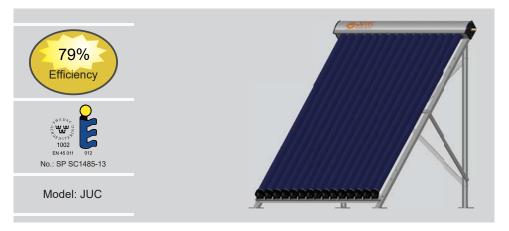


	Global Irradiance G							
Tm-Ta	Global Illadiance G							
	G=400W/m ²	G=700W/m ²	G=1000W/m ²					
10k	529W	964W	1392W					
30k	424W	859W	1292W					
50k	314W	749W	1173W					

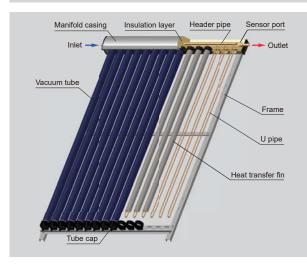


Parameter table

Model	Heat pipe vacuum tube			Condenser	Power output	L/W/H (mm)	Loading Qty. (set)		
Woder	Dia. / Le	en. (mm)	Qty. (pcs)	(mm)	(W)	L/VV/II (IIIIII)	20GP	40GP	40HQ
JHC-5818-10	58	1800	10	Ф14	599	1960 x 890 x 138	164	338	394
JHC-5818-12	58	1800	12	Ф14	718	1960 x 1040 x 138	147	304	353
JHC-5818-15	58	1800	15	Ф14	898	1960 x 1265 x 138	131	270	314
JHC-5818-18	58	1800	18	Ф14	1078	1960 x 1490 x 138	106	218	254
JHC-5818-20	58	1800	20	Ф14	1198	1960 x 1640 x 138	100	205	238
JHC-5818-24	58	1800	24	Ф14	1435	1960 x 1944 x 138	88	180	210
JHC-5818-30	58	1800	30	Ф14	1797	1960 x 2390 x 138	74	152	177



Each vacuum tube has a direct flow U pipe that is connected to the header pipe inside manifold. Each U pipe is seamed in an aluminum heat transfer fin inside of vacuum tube that transmits the heat from the inner tube to the U pipe. The liquid (usually a glycol-water antifreeze mixture) inside of the copper U pipe is heated, then conducts the heat energy to the water inside of storage tank through plate exchanger or internal spiral coil.



Specification:

Vacuum tube: Borosilicate glass 3.3 Header pipe / U pipe: Red copper Manifold casing: Aluminium alloy Insulation layer: Rock wool Frame: Aluminium alloy

Heat transfer fin: United aluminium sheet Working pressure: 6 Bar

Reference area	Aperture area
ή0(-)	0.79
a1(W/m²K)	1.35
a2(W/m ² K)	0.013

Tm-Ta	GI	obal Irradianc	e G
	G=400W/m ²	G=700W/m ²	G=1000W/m ²
0k	600W	1050W	1478W
10k	569W	1019W	1450W
30k	495W	945W	1380W
50k	405W	855W	1290W

Parameter table

Model	Vacuum tube			Power output	L/W/H (mm)	Loading Qty. (set)			
Wodei	Dia. / Le	en. (mm)	Qty. (pcs)	(W)	L/ VV/11 (111111)	20GP	40GP	40HQ	
JUC-5818-8	58	1800	8	591	1960 x 775 x 138	83	179	208	
JUC-5818-10	58	1800	10	739	1960 x 925 x 138	70	150	175	
JUC-5818-12	58	1800	12	887	1960 x 1075 x 138	60	129	150	
JUC-5818-15	58	1800	15	1108	1960 x 1300 x 138	50	108	125	
JUC-5818-18	58	1800	18	1330	1960 x 1525 x 138	41	88	103	
JUC-5818-20	58	1800	20	1478	1960 x 1675 x 138	38	81	94	







Model: JPT

Outer tank: Color steel

Inner tank: SUS304-2B or SUS316L stainless steel Insulation layer: PU foam, 42Kg/m³ high density

Tank capacity: 50L-1000L

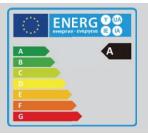
Heat exchanger coil: Stainless steel pipe

Coil No.: 1, 2, 3, 4 Working pressure: 6 Bar

Auxiliary energy: Electric heater(Optional)

Characteristic:

- Tank capacity available from 50L to 1000L.
- Certified by Solar Keymark (EN12976), EN12897, CE.
- 100, 150, 200, 300L tanks with Europe Union Energy Efficiency Class A.
- \bullet 400, 500L tanks with Europe Union Energy Efficiency Class B.
- Tank type options: Vertical/Horizontal; Ground/Wall mounted.
- Bigger size magnesium rod, longer service life.
- Application for solar water heating and heat pump systems.





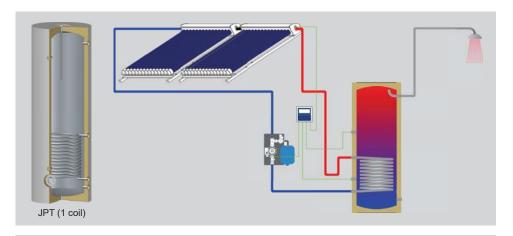


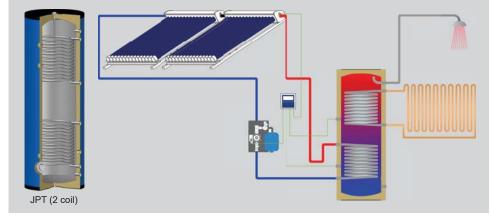


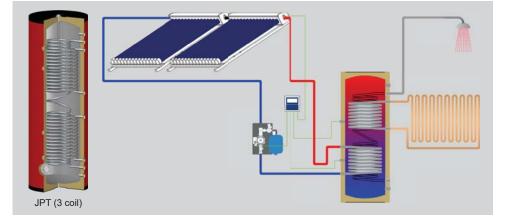


Parameter table

Model	Capacity(L)	Energy Efficiency	Heat loss	Pa	cking size(n	nm)	Loading Qty. (set)			
Wodel	Capacity(L)	Class	(W)	L	W	Н	20GP	40GP	40HQ	
JPT-100	100	А	35.00W	560	560	1220	74	158	168	
JPT-150	150	А	36.62W	560	560	1700	53	112	112	
JPT-200	200	А	41.80W	605	605	1500	39	84	108	
JPT-300	300	А	45.94W	650	650	1910	27	54	54	
JPT-400	400	В	75.37W	770	770	1800	27	57	64	
JPT-500	500	В	81.73W	770	770	2170	24	45	48	
JPT-600	600	/	/	770	770	2540	18	36	45	
JPT-700	700	1	/	1100	1100	1850	10	22	22	
JPT-800	800	1	/	1100	1100	1950	10	22	22	
JPT-940	940	1	/	1100	1100	2220	10	22	22	
JPT-1000	1000	/	/	1100	1100	2350	0	0	22	











Model: JSH2

Collector: Heat pipe solar collector

Tank capacity: 100L-1000L

Heat exchanger coil: Stainless steel pipe Pump station: Pump, controller, etc

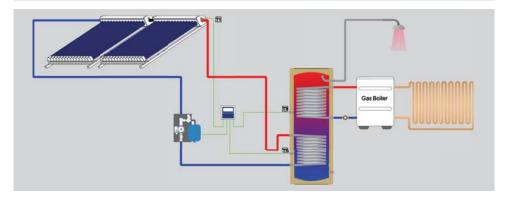
Expansion vessel

Auxiliary energy: Electric heater(Optional)

EN12976



The split solar water heater is an active system, using a circulation pump with a controller to circulate the fluid in the closed loop system. Tank and solar collector are separated, the collector is integrated with the building perfectly, while the tank and the pump station can be installed anywhere in the building. In the meanwhile, top coil usually is used to connect auxiliary energy or room heating system.



Characteristic:

- Solar Keymark certified(EN12976).
- Anti-freezing, perfect for cold area.
- Solar collector and water tank can be placed separately, easy for building integration.
- Can be combined with existing energy source, such as gas boiler, etc.
- Completely automatic operation.

Parameter table

Model	Solar c	ollector	Capacity(L)	Person No.	Loading Qty. (set)			
Model	Tube No.	Collector No.	Capacity(L)	reison no.	20GP	40GP	40HQ	
JSH2-150-18	18	1	150	3	38	76	88	
JSH2-200-24	24	1	200	4	28	58	74	
JSH2-300-36	36	2	300	6	21	42	50	
JSH2-400-48	48	2	400	8	18	36	42	
JSH2-500-60	60	2	500	10	15	29	33	



Model: JPC

Vacuum tube: Borosilicate glass 3.3, Φ58x1800mm

Inner tank: SUS304-2B stainless steel

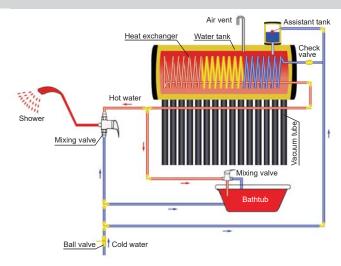
Outer tank: Color steel / Stainless steel / PVDF Insulation layer: PU foam, 42kg/m³ high density

Bracket: Galvanized steel / Aluminum alloy / Stainless steel

Heat exchanger: Copper pipe / Stainless steel pipe

Assistant tank: 5L-20L

There is a heat exchanger coil inside the water tank, through the unique heat exchanger, when cold water flows in, then hot water flows out immediately with high pressure which enables you enjoy instant hot water. The hot water inside the tank is only used for heat storage and exchange.



Characteristic:

- Solve the problem of non-pressurized solar water heater low pressure hot water output.
- Best solution to the water quality inferiority area.
- No corrosion or scale deposit.
- Integrating with pre-heated technique, system can supply instant hot water, enhance comfortable.

Parameter table

Model	Vacuum tube			System	Person No.	Loading Qty. (set)			
iviodei	Dia. / Le	en. (mm)	Qty. (pcs)	Capacity(L)	1 613011110.	20GP	40GP	40HQ	
JPC-15	58	1800	15	158	3	52	112	130	
JPC-20	58	1800	20	209	4	42	88	98	
JPC-24	58	1800	24	250	5	35	73	86	
JPC-30	58	1800	30	311	6	28	62	68	

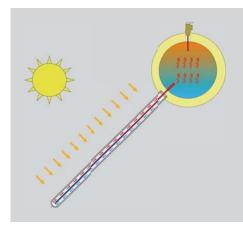








Jinyi compact pressurized series is a renovation model for the solar hot water, which adopts advanced heat pipe technology, combines heat pipe solar collector with pressurized tank to form a compact model. The vacuum tubes absorb and convert solar energy into thermal energy, and transfer to the central heat pipe via the aluminum fin. The heat pipes have tiny amount of purified water sealed inside at depressurized condition. When heated, the water inside the heat pipes vaporizes at low temperature (about 25 degree), the vapor rises to the condenser and heat energy is conducted to water (inside the tank). When vapor is cooled down and becomes condensate, falling to the bottom of heat pipe. By continuously circulating in this way, heat is carried from outside to the water inside the tank.



Model: JPH

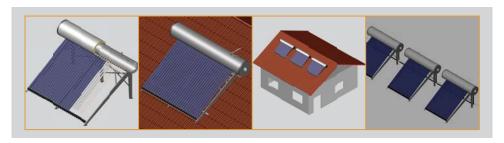
Vacuum tube: Borosilicate glass 3.3, Φ58x1800mm

Heat pipe: Red copper

Inner tank: SUS304-2B or SUS316L stainless steel Outer tank: Color steel / Stainless steel / PVDF Insulation layer: PU foam, 42Kg/m³ high density

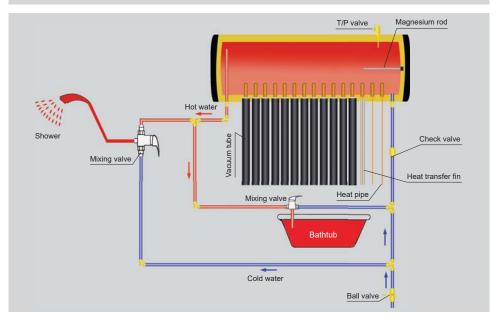
Bracket: Galvanized steel / Aluminum alloy / Stainless steel

Working pressure: 6 Bar



Characteristic:

- Certified by Solar Keymark (EN12976), EN12897, CE.
- Multifunctional bracket for both flat roof and sloped roof installation.
- Low temperature resistance, can be used in -50 °C condition.
- Easy to replace individual tube in the event of tube damaged.
- Comfortable shower with working pressure 6Bar.



Parameter table

Model	Heat pipe vacuum tube			Capacity(L)	Person No.	Loading Qty. (set)		
Wodel	Dia. / Len. (mm) Qty. (pcs)		Qty. (pcs)	Oapacity(L)	1 013011140.	20GP	40GP	40HQ
JPH-15	58	1800	15	150	3	52	112	130
JPH-18	58	1800	18	180	4	48	96	115
JPH-20	58	1800	20	200	4	42	88	98
JPH-24	58	1800	24	240	5	35	73	86
JPH-30	58	1800	30	300	6	28	62	68





Model: JNG

Vacuum tube: Borosilicate glass 3.3, Φ58x1800mm

Inner tank: SUS304-2B stainless steel

Outer tank: Color steel / Stainless steel / PVDF

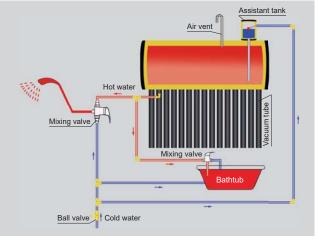
Insulation layer: PU foam, 42Kg/m3 high density

Bracket: Galvanized steel / Aluminum alloy / Stainless steel

Assistant tank: 5L-20L



The non-pressurized solar water heater is based on the natural circulation thermosiphon phenomenon. It's the most cost-effectiveness and environmentally friendly way to harness solar energy for hot water applications, which is unsurpassed by any other solar thermal products, for its most high efficiency, low cost and easy installation.



Characteristic:

- Most reliable, cost saving, efficient hot water heating solution.
- Simple structure, easy installation, labor cost saving.
- Automatic operates with intelligent controller.
- Low maintenance cost.

Parameter table

Model	Vacuum tube			System	Person No.	Loading Qty. (set)		
	Dia. / Le	en. (mm)	Qty. (pcs)	capacity(L)	reison No.	20GP	40GP	40HQ
JNG-10	58	1800	10	107	2	73	150	175
JNG-12	58	1800	12	127	2	68	142	160
JNG-15	58	1800	15	158	3	52	112	130
JNG-18	58	1800	18	188	3	48	96	115
JNG-20	58	1800	20	209	4	42	88	98
JNG-24	58	1800	24	250	5	35	73	86
JNG-30	58	1800	30	311	6	28	62	68
JNG-36	58	1800	36	372	7	24	48	60





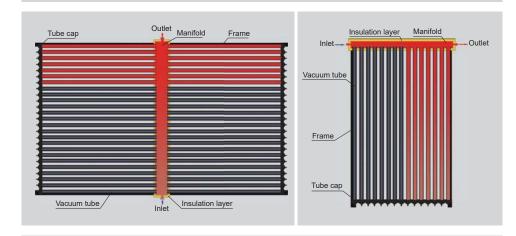
Model: JNCH & JNCV

Vacuum tube: Borosilicate glass 3.3, Φ58x1800mm

Outer shell: Color steel

Inner shell: SUS304-2B stainless steel

Bracket: Galvanized steel



Characteristic:

- Flexible installation.
- Save cost and environmental protection.
- Suit for large scale solar water heating solution like hotel, school, and public bath, etc.

Parameter table

	Model	Vacuum tube			Tube orientation	L/W/H(mm)	Loading Qty. (set)		
		Dia / Le	n. (mm)	Qty. (pcs)	Tube offeritation	L/VV/H(IIIIII)	20GP	40GP	40HQ
	JNCV-20	58	1800	20	Vertical	1655 x 1980 x 150	105	215	245
Г	JNCV-25	58	1800	25	Vertical	2030 x 1980 x 150	85	177	205
Г	JNCV-30	58	1800	30	Vertical	2405 x 1980 x 150	72	142	165
Г	JNCH-50	58	1800	50	Horizontal	3680 x 2030 x 150	52	110	128
	JNCH-60	58	1800	60	Horizontal	3680 x 2405 x 150	40	85	98





Model: JFC-1

Coating: Black chrome Absorptance: ≥92%±2% Emittance: ≤8%±2%

Glass: Low iron tempered glass, 3.2mm thickness

Frame: Aluminum alloy Insulation layer: Glass wool Working pressure: 6 Bar

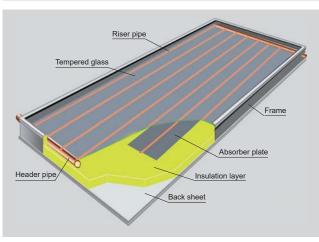


Model: JFC-2

Coating: Blue titanium
Absorptance: ≥95%±2%
Emittance: ≤5%±2%

Glass: Low iron tempered glass, 3.2mm thickness

Frame: Aluminum alloy Insulation layer: Glass wool Working pressure: 6 Bar



Flat plate solar collector is a metal box with a glass cover on top and a colored absorber plate at the middle. The sides and bottom of the collector are usually insulated to minimize heat loss. Sunlight passes through the glazing and strikes the absorber plate, which heats up, changing solar energy into heat energy. The heat is transferred to liquid passing through pipes attached to the absorber plate.

Characteristic:

- Easily integrated with existing heating systems.
- Suitable for domestic and commercial hot water.

Parameter table

Model	Dimensions (W×L×H)(mm)	Cross area (m²)	Packing size (mm)	Loading Qty. (set)		
Model	Difficiations (WALATT)(IIIIII)	Closs area (m.)	Facking Size (IIIIII)	20GP	40GP	40HQ
JFC-1	2000 x 1060 x 80	2	2025 x 1125 x 105	129	264	296
JFC-2	2000 x 1060 x 80	2	2025 x 1125 x 105	129	264	296

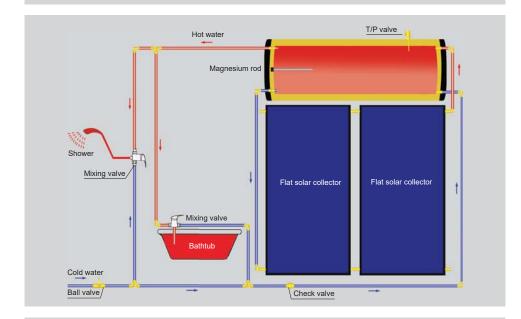


Model: JFP

Inner tank: SUS304-2B or SUS316L stainless steel Outer tank: Color steel / Stainless steel / PVDF Insulation: PU foam, 42Kg/m³ high density Collector: Flat plate solar collector

Absorber coating: Black chrome / Blue titanium Bracket: Aluminum alloy / Galvanized steel

Flat plate pressurized solar water heater is such a kind of thermosiphon solar water heating device with flat plate collector placed below high pressure hot water tank. The tank and flat plate are connected with circulation pipes to form an closed-loop solar water heating system, the household water is heated directly inside flat panel collector and rise to be stored inside hot water tank.



Characteristic:

- Operate under pressure to ensure comfortable shower.
- Totally copper flow channels achieve low defect rate and easy maintenance, long service life.

Parameter table

Model Tank capacity	Tank capacity	Absorber area(m ²)	Collector Qty.	Person No.	Loading Qty. (set)		
	Absorber area(III)	Collector Qty.	i cisoni ivo.	20GP	40GP	40HQ	
JFP-150	150	2	1	3	46	95	105
JFP-300	300	4	2	6	27	52	60



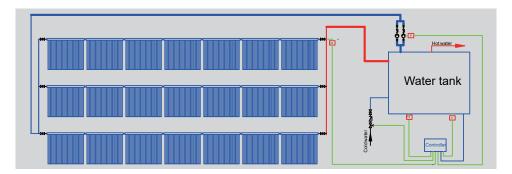


As a green, renewable solution, solar water heating project has become the first choice for commercial application, for example industry, apartment, hotel, school, hospital, etc.

The Jinyi solar water heating project system mainly consist of solar collector, water tank, controller, circulating pump, pipeline, etc.

The working principle is similar to the domestic solar water heater, it's just like a large central heating system. It can reach to below functions: temperature difference circulation, pipeline circulation, freeze protection, start up auxiliary energy system automatic, etc.

The whole system operation automatically, safely, maintains conveniently.



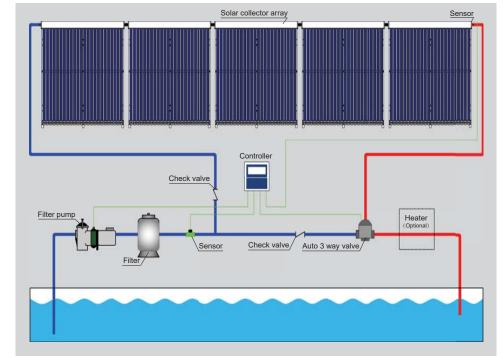
A solar pool heating is the most cost effective way of using solar thermal energy. Heating a pool with gas or electricity costs thousands of dollars, and it will cost a lot more in the future. With a solar pool heating system, the pool heating costs can be reduced by up to 80%.

The auto 3 way valve controls whether the water circulates through the collector loop. When the collector temperature is sufficiently greater than the pool temperature, the water is diverted from the filter systems through the collector loop. The water bypasses the solar collectors during nighttime or cloudy periods. Some smaller systems are operated manually or with timers, but larger systems are operated by electronic sensors and controls.

Main components:

- Solar collector
- Controller
- Filter pump
- Filter
- Auto 3 way valve, check valve etc













812 801 001

812 000 016







812 003 881

812 003156

812 003 868

25: 0

812 900 191

Power supply: 110V/220V Collector temp. measuring range: -10~200 °C Tank temp. measuring range: 0~110 °C Water proof grade: IP40 Max. working pressure: 6 Bar Input: 1×Pt1000, 2×NTC10K

Output: 1×circulation pump, 1×electrical heater Application: Split solar water heater

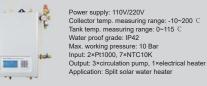
Single pipeline pump station



Power supply: 110V/220V Collector temp. measuring range: -10~200 °C Tank temp. measuring range: 0~ 110 °C Water proof grade: IP43 Max. working pressure: 6 Bar Input: 1×Pt1000, 3×NTC10K Output: 2×circulation pump, 1×electrical heater

Application: Split solar water heater

812 003 882 Double pipeline pump station



1. Temperature difference control

4. Tank re-cooling function

Intelligent controller

Power supply: 110V / 220V

3. Collector low temperature protection

Suitable power of electrical heater, ≤ 2000W

Electromagnetic valve: DC12V/AC220V,

1. Water temperature/water level display

Application: Non-pressurized solar water heater

Application: Split solar water heater

2. Timing heating

5. Manual heating

Main functions:

2. Water level pre-set

4. Timing heating

3. Manual water loading

Capacity: 18/24/60 L Max. working pressure: 10 Bar Temperature range: -10~90 °C Pre-charge: 2 Bar Connection size: 3/4 inch

812 003 982 Double pump/pipeline pump station 812 003 012 Expansion vessel



Brand: Wilo Power supply: 220V 50Hz Output power: 100 W Head: 5 m Max. displacement: 7.8 t/h Connection size: 40 mm Weight: 11 Kg

Circulation pump 812 003 101 Power supply: 110V / 220V Collector temp. measuring range: -10~200℃ Tank temp. measuring range: 0~ 110 ℃ Main functions:

Power supply: 110V / 220V Suitable power of electrical heater, ≤ 2000W Tank temp. measuring range: 0~100 C Main functions: 1. Manual heating

2. Temperature display 3. Timing heating at three time sections 4. Memory protection when power is failure 5 Trouble indication of sensor

Application: Compact pressurized solar water heater

Pre-heated solar water heater 812 003 609 Intelligent controller

Power supply: 220V Suitable power of electrical heater, ≤ 2000W Temperature range of measurement: 0 ~ 99 ℃ Temperature detect range: 0~99℃ Main functions:

> 2. Leakage protection 4. Intelligent heating

812 003 500 812 003 007 Intelligent controller



Incoloy 800 electric heater

812 900 192

Rated power: 1500W, 2500W Connection size: 1.25 inch Material: copper

1. Water level pre-set 3. Intelligent water loading 5. Dry heating prevention Application: Non-pressurized solar water heater 812 007 032 Automatic air vent valve Intelligent controller Rated voltage: 220V Material: Brass Thermostat electric heater 812 007 002



Measurement: Φ22×300mm, Φ28×600mm Connection size: 3/4 inch. 1 inch Application: Pressurized solar water heater

Material: SUS304-2B stainless steel, Galvanized steel Thickness: 4mm Application: Solar collector slope roof mount

Material: SUS304-2B stainless steel Thickness: 4mm Advantage: Adjustable Application: Solar collector slope roof mount

Roof hook

Magnesium rod

Connection size: 3/4 inch Corrugated pipe: SUS304-2B stainless steel Jacketing material: UV resistant EPDM Insulation thickness: 13mm / 20mm Temperature sensor: 1 way silicone cable Application: Split solar water heater

Roof hook

Magnesium rod

Connection size: 3/4 inch component: SUS304-2B stainless steel corrugated pipe, brass nut Application: Solar collector

Solar collector connector

Thermowell

T/P valve

812 010 032

Connection size: 3/4 inch Component: Brass nut, PTFE gasket, stainless steel clip washer Application: Twin way pre-insulated solar hose

Nut, gasket and clip washer

Twin way pre-insulated solar hose

812 003 005

812 010 038

812 801 002

812 000 017

Material: Brass Connection size: 1/2 inch Measurement: 08x80mm Application: Pressurized solar water heater

Material: Brass Connection size: 1/2 inch Max. working temperature: 180 °C; Max. working pressure: 10 Bar Max. percentage of glycol: 50% Application: Split solar water heater



812 007 066

Material: Brass Connection size: 3/4 inch Working pressure: 6 Bar Working temperature: 90 ℃ Application: Pressurized solar water heater

Connection size: 3/4 inch

Material: Brass Connection size: 3/4x1/2x3/4 inch

Check valve 812 010 018 Reducing Tee







Material: Brass Connection size: 3/4x3/4 inch



Material: Brass Connection size: DN22xDN22mm

812 010 010

Equal male straight

12 010 004

Coupling



Material: Brass Connection size: DN22mmx3/4 inch



Material: Brass Connection size: 3/4 inch

812 010 002

Adaptor

812 010 042

Plug



Frozen point: -30 C
Boiling point: 105 C
Working temperature: -30 C ~200 C
Package: 10 L/Barrel
Odor: Without peculiar smell
Toxicological characteristics: Nontoxic grade
Application: Split solar water heater



Inner tank: SUS304-2B stainless steel
Outer tank: color steel / Stainless steel / PVDF
Insulation layer: PU foam
Capacity: 5L - 20L
Application: Non-pressurized solar water heater
Pre-heated solar water heater

812 802 020

Antifreezing liquid

Tube quantity: 5 pcs

Outer tank: Color steel

Insulation layer: PU foam

Bracket: Galvanized steel

Vacuum tube: Φ58×500mm

Inner tank: SUS304-2B stainless steel

821 820 004

Assistant tank



Vacuum tube: Ф58×500mm
Tube quantity: 5 pcs
Inner tank: SUS304-2B stainless steel
Outer tank: Color steel
Insulation layer: PU foam
Bracket: Galvanized steel
Heat pipe: Red copper
Heat transfer fin: United Aluminium sheet

821 820 002

Mini non-pressure solar water heater

821 820 003

Mini compact pressure solar water heater



Vacuum tube: Ф58×500mm Tube quantity: 5 pcs Header pipe: Red copper Heat pipe: Red copper Insulation layer: Rock wool Manifold casing: Aluminium alloy Heat transfer fin: United Aluminium sheet



Vacuum tube: Ф58×500mm Tube quantity: 5 pcs Header pipe: Red copper U pipe: Red copper Insulation layer: Rock wool Manifold casing: Aluminuim alloy Heat transfer fin: United Aluminium sheet

821 820 008

Mini heat pipe solar collector

821 820 010

Mini U pipe solar collector



Material: Brass Contection size: 3/4x3/4x3/4x3/4 inch Application: Spit solar water heater



Suitable power: ≤ 4000W Water proof grade: IP43 Shell Material: ABS plastic

812 007 040

Filling and flushing valve

812 003 802

Relay

