



JIAJIARE
SOLAR WATER HEATER

Company profile



Zhejiang Jiajiare New Energy Co.,Ltd.

1. Main products: Variety solar water heaters, solar hot water projects and related accessories.
2. Founded in 1995, top 15 manufacturer in China. Near Shanghai port.
3. Production area 20000 m2, production every year 40000 sets. 120 employees
4. Honored co-operator: FK Solar in Germany, Chromagen in Israel, Fujisol Solar in Spain.
5. Certification: ISO-2008-9001, CE; EN12975; EN12976-2; Solar Keymark; SRCC; Rohs; SGS.

Overseas market



HSC series heat pipe solar collector

- High durability - no glass-to-metal connection
- All-round 3-layer absorber coating
- High yields even at low solar radiation
- 2-shell insulation system of the collector tube
- 10 year guarantee • Solar Keymark certified



Al – Si Wool & PU – Foam Insulation

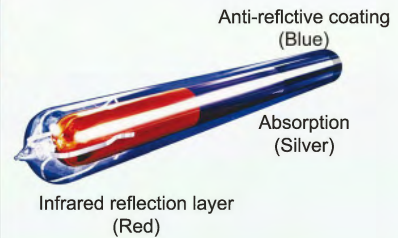


New Patented Aluminum Alloy Tube Holder

Model: HSC
 Conversion Factor: 74.55%
 Stagnation temperature: 266.3 °C
 Maximum operation pressure: 10 bar
 Tube size: 58 * 1800



TU1 Copper Heat Pipe with 99.97% High Purity



Parameter table

Model	Tubes (Pcs)	L*W*H (mm)	Aperture Area (m ²)	Absorber Area (m ²)	Loading Qty 20'/40'HQ
HSC-Φ58×1.8-15	15	1960×1180×133	1.42	1.22	125/297
HSC-Φ58×1.8-18	18	1960×1410×133	1.71	1.458	108/245
HSC-Φ58×1.8-20	20	1960×1560×133	1.90	1.62	95/226
HSC-Φ58×1.8-24	24	1960×1860×133	2.28	1.944	80/183
HSC-Φ58×1.8-30	30	1960×2310×133	2.85	2.44	69/165

Non-pressure solar water heater with feeding tank

Technical datas

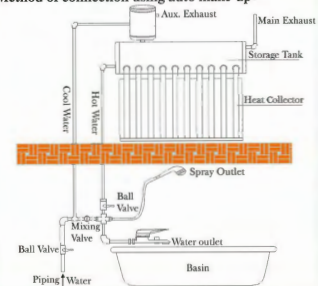
The details of material:
 Outer tank: Galvanized steel/PVDF/SUS
 Inner tank: SUS 304-2B Stainless steel
 Vacuum tube: 3-target all glass tube
 Absorption coating: ALN-SS/CU
 Frame: Galvanized steel/Aluminum alloy/SUS

Parameter table

Model	Lighting Area (m ²)	Vacuum tube (pcs)	Capacity (L)	Loading Qty 20'/40'HQ
NPV-GS-10A	0.93	58*1800*10	100	48/105
NPV-GS-15A	1.4	58*1800*15	150	40/100
NPV-GS-20A	1.86	58*1800*20	200	37/86
NPV-GS-25A	2.33	58*1800*25	250	31/77
NPV-GS-30A	2.79	58*1800*30	300	23/64



Method of connection using auto make-up



Non-pressure solar water heater

Technical datas

The detail of material
 Outer tank: SUS304-2B stainless steel sheet
 Inner tank: SUS304-2B stainless steel sheet
 Vacuum tube: 3-target all glass tube
 Absorption coating: ALN-SS/CU
 Frame: Galvanized steel/ Aluminum ally/SUS Galvanized

Parameter table

Model	Lighting Area (m ²)	Vacuum tube (pcs)	Capacity (L)	Loading Qty 20'/40'HQ
NPV-SS-10	0.93	58*1800*10	100	48/105
NPV-SS-15	1.4	58*1800*15	150	40/100
NPV-SS-20	1.86	58*1800*20	200	37/86
NPV-SS-25	2.33	58*1800*25	250	31/77
NPV-SS-30	2.79	58*1800*30	300	23/64



Heat pipe pressurized solar water heater

Features

- 1) High output pressure for comfortable shower
- 2) 10 years long life span
- 3) 55% heat absorption
- 4) 12 bar testing pressure
- 5) Anti-freezing -30 temperature

Technical datas

Outer tank: Colored steel/Galvanized steel/Stainless steel/PVDF

Inner tank: Food grade SUS304-2B stainless steel

Insulation: High density polyurethane foam

Vacuum tube: Borosilicate glass 3.3 with SS-CU-ALN coating

Heat pipe: All copper TU1

Frame: Galvanized steel/ Stainless steel/ Aluminum alloy with 0 to 60 degree



Parameter table

Type	Aperture Area (m ²)	Vacuum Tube (pcs)	Capacity (L)	Loading Qty 20'/40'HQ
HTS-GS-10	1.21	58*1800*10	100	75/178
HTS-GS-15	1.815	58*1800*15	150	54/128
HTS-GS-20	2.42	58*1800*20	200	39/92
HTS-GS-24	2.904	58*1800*24	240	36/84
HTS-GS-30	3.63	58*1800*30	300	29/69



Pressurized flat panel solar water heater

Technical datas

Water tank	Inner tank	SUS304-2B ,1.2-1.5mm
	Outer tank	SUS /Colorful Steel /PVDF ,0.40mm
	Insulating	50-60mm polyurethane foamed
	Pressure	6 Bar/12Bar (testing)
Flat plate	Cover	Low-iron tempered textured glass ,4.0mm
	Coating	Blue titanium / black chrome
	Header Pipe	Φ22 * 60.6. *2pcs Copper TP2
	Riser Pipe	Φ10 * 60.6*7pcs Copper TP2
	Welding	Laser welding
	Frame	61.0mm,Aluminum alloy
Bracket	Material	SUS/Galvanized steel /Aluminum alloy,1.5mm
	Angle	0--45 degree



Parameter table

Model	JJR-PF-100	JJR-PF-150	JJR-PF-200	JJR-PF-300
Tank Capacity	100L	150L	200L	300L
Flat plate	Dimension	2000*1000*80mm	2015*1015*80mm	2000*1200*80mm
	Gross Area	2.0m ²	2.1m ²	2.4m ²
	Numbers	1pcs	1pcs	1pcs
Loading Quantity (20")	56 sets	47 sets	37 sets	24sets
Loading Quantity (40HQ)	136 sets	113sets	91sets	58 sets

Pre-heated solar water heater

Features

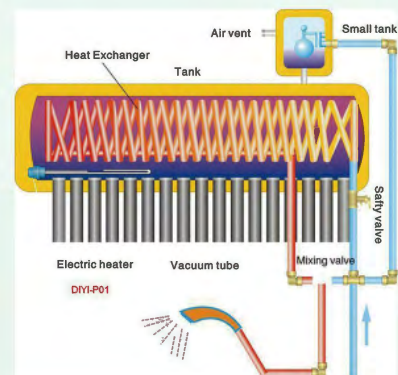
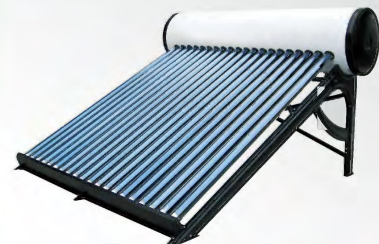
- 1) Mains pressure solar water heaters with copper coil heat exchanger
- 2) Heat exchanging takes place instantly whenever hot water is being used.
- 3) Advantage: Hot water come out immediately ;Simple system structure.
- 4) Output pressurized hot water.
- 5) Max work pressure :0.6Mpa.

Technical datas

Outer tank : Galvanized steel/PVDF/SUS
 Inner tank : SUS304-2B
 Copper coil : 12mm O.D. and 10mm I.D.
 Insulation : Polyurethane foam
 Vacuum tube : Three target vacuum tubes
 Absorption coating: ALN-SS/CU
 Frame:Galvanized steel/Aluminum alloy/SUS

Parameter table

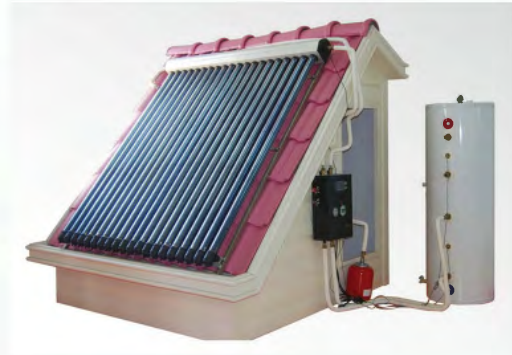
Model	Aperture Area (m ²)	Vacuum Tube (pcs)	Capacity (L)	Copper coil length (m)	Loading Qty 20ft/40ft
PR15	2.07	58×1800×15	150	30	53/127
PR20	2.75	58×1800×20	200	30	42/98
PR24	3.3	58×1800×24	240	35	34/80
PR30	4.13	58×1800×30	300	35	29/69



Split pressurized solar water heater system

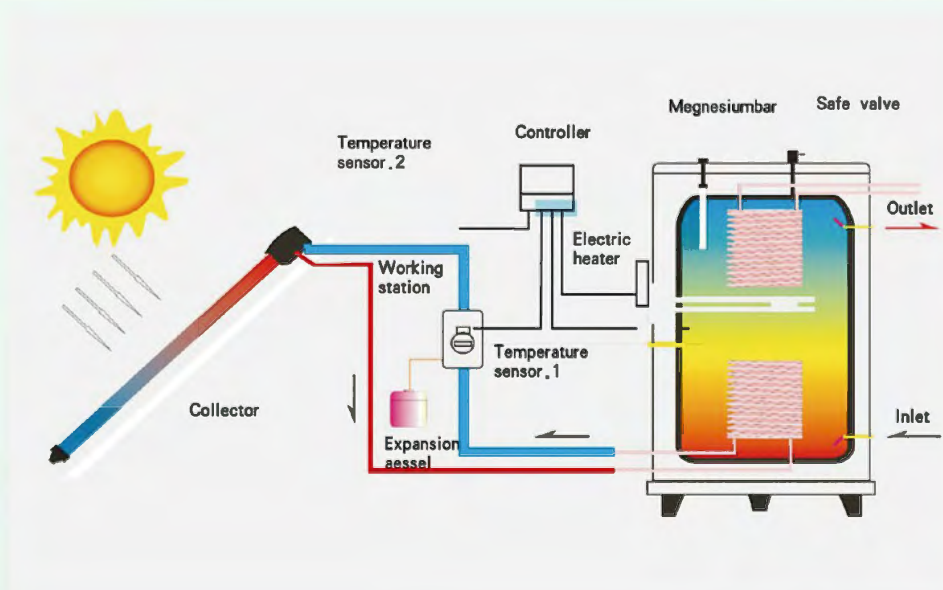
Features

- 1) Use the heat pipe for the heat conduction and can get a high heat absorption efficiency and rapid heat transfer.
- 2) The pipeline is made of red copper and conducted by heat transfer medium liquid; the crust uses aluminum alloy module material of high strength with airflow design.
- 3) Good anti-frozen performance, it can still work under the environmental of -30°C .
- 4) Match with intelligent controller and assistant electric heater, the system can provide hot water to you any time.
- 5) The insulation layer uses polyurethane bulk bubble and has a good effected temperature preservation.
- 6) Can be used for bathing, washing and domestic heating.



Specification:

- Inner tank: SUS 2B 1.1mm-2.5mm
- Out tank: Galvanized steel 0.5mm
- Capacity: 80L-1000L
- Collector: heat pipe vacuum tube solar collector.
- Insulation: 50mm-60mm 42KGS/m³ polyurethane foam
- Brackets: 1.8mm thickness Galvanized steel
- Heat preservation: 96 hours
- Working pressure: 7 bar



Flat panel solar collector

Parameter table

Model	FP-T2.15	FP-T2.05	FP-T2.0	
Overall Data	Dimension LxWxH (mm)	2050*1050*95	2015*1015*76	2000*1000*80
	Gross Area (m ²)	2.15	2.05	2.00
	Absorber Area (m ²)	1.96	1.82	1.82
Cover	Cover material	Low iron tempered textured glass		
	Cover Thickness	4.0mm	3.2mm	3.2mm
	Cover Transmission	>91.7%		
Absorber	Material	Aluminum board		
	Surface Treatment	Imported blue titanium selective coating		
	Header tuber	Copper TP2, Ø 22mm or Ø25mm * 0.6mm		
	Riser tuber size	Copper TP2, Ø10mm or Ø8mm * 0.6mm		
	Work Pressure	0.75Mpa		
Thermal Insulation	Welding	Laser welding		
	Insulation Material	Fiber glass 50mm	Fiber glass 30mm	Fiber glass 30mm
	Insulation Thickness	Polyurethane 20mm	Polyurethane 15mm	Polyurethane 15mm
Casing	Frame	Aluminum alloy	Galvanized steel	Aluminum alloy
	Back Plate	Aluminum plate	Galvanized steel	Galvanized steel
	Sealing Gasket	EPDM		



Parameter table

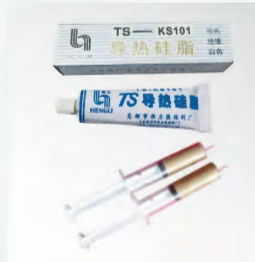
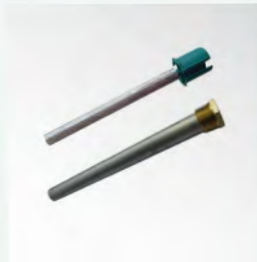
Model	FP-C2.05	FP-C2.4	FP-C2.0	
Overall Data	Dimension LxWxH (mm)	2015*1015*76	2000*1200*80	2000*1000*80
	Gross Area (m ²)	2.05	2.40	2.00
	Absorber Area (m ²)	1.82	2.18	1.82
Cover	Cover material	Low iron tempered textured glass		
	Cover Thickness	3.2mm		
	Cover Transmission	>91.7%		
Absorber	Material	Aluminum board	Copper board	Aluminum board
	Surface Treatment	Black chrome selective coating		
	Header tuber	Copper TP2, Ø 22mm or Ø25mm * 0.6mm		
	Riser tuber size	Copper TP2, Ø10mm or Ø8mm * 0.6mm		
	Work Pressure	0.75Mpa		
Thermal Insulation	Welding	Laser welding		
	Back	Fiber glass 30mm		
	Side	Fiber glass 20mm	Fiber glass 20mm	Fiber glass 15mm
Casing	Frame	Aluminum alloy		
	Back Plate	Galvanized steel		
	Sealing Gasket	EPDM		



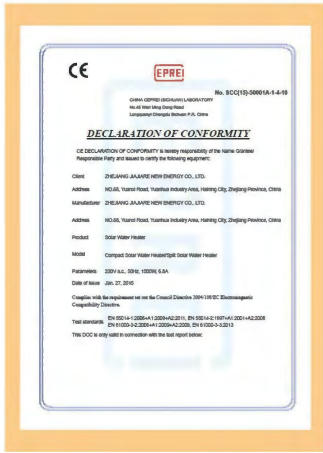
Solar heating projects



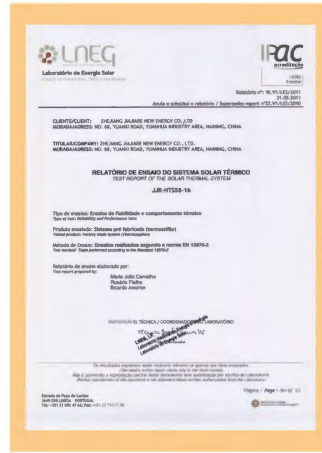
Accessories



Certificates



CE



EN12976-2



RoHS



Solar Keymark



SRCC



ISO

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