

## Central heating system

The pattern of horizontal and Vertical composition:

1. Solar energy central heating system is made of collector, storage tank, control system, and accessories.
2. The whole system works automatically, used safely and maintains conveniently. The combination structure can be assembled flexible accordance with water need capacity, installing place and users' requirement. Generally, there are two patterns: the pattern of horizontal composition and the pattern of vertical composition.
3. There is the electrical heater in storage tank. In terms of users' needs and factual situation, the electrical heater power can be increased or reduced properly to meet the needs of hot water in cloudy or rainy day and in winter.
4. In order to complement of light and electricity, it also can heat water by air-force heat pump, going along the micro-computer intelligence control to make sure supply sufficient hot water all day.



Email: [farol2@fanrong.com.cn](mailto:farol2@fanrong.com.cn) [seekerxu66@gmail.com](mailto:seekerxu66@gmail.com)

Tel: +86-573-86169085 Fax: +86-573-86822028 Mobile: 0086-18857393260

<http://www.fanrong.com.cn/en/index.aspx>

ADD: Yuantong Industrial Zone, Haiyan City, Zhejiang Province, China. Zip 31430

# Zhejiang Wakin Solar Energy Technology Co. Ltd

-----Faro Group

## 1. Nonpressure Solar Water Manifold Project Series

Model of Manifold	Dia. of tube	Length of tube	Quantity of tubes	Capacity of solarheater	Loading 40HQ	Unit Price USD FOB Shanghai
FRMGS-47-1500-60	47mm	1500mm	60	400	104	202
FRMGS-58-1800-50	58mm	1800mm	50	500	100	257
FRMAL-47-1500-60	47mm	1500mm	60	400	104	229
FRMAL-58-1800-50	58mm	1800mm	50	500	100	279
FRMSS-47-1500-60	47mm	1500mm	60	400	104	238
FRMSS-58-1800-50	58mm	1800mm	50	500	100	286

### FRMGS:

1. the outer tank: Colour Coated Steel, thickness 0.4mm
2. Inner tank material - SUS304, 0.5 mm thickness
3. the bracket, Galvanized Steel thickness 1.5mm

### FRMAL:

1. Outer tank material - 0.4 mm thickness Aluminum
2. Inner tank material - SUS304, 0.5 mm thickness
3. the bracket: Aluminum, thickness 1.5mm

### FRMSS:

1. the outer tank: Stainless Steel 201, thickness 0.4mm
2. Inner tank material - SUS304, 0.5 mm thickness
3. the bracket: Stainless Steel 201, thickness 1.5mm.

### Manifould Image.



### Refer:

Warranty : 5 years' international responsibility for free repairing or exchange due to original quality problem.

### Remark:

- 1, We offer 2% vacuum tubes for free for exchange in case several shattered vacuum tubes during transit
2. About the following accessories, if you need, we can offer you, but you should charge it.

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## 2. Heater Pipe Solar Collector Series.

Model	Support capability of water(L)	USD FOB Shanghai	Loading(20GP/40HQ)
FR-SC58-1800-10	100L	130USD	123/309
FR-SC58-1800-12	120L	150USD	104/280
FR-SC58-1800-15	150L	180USD	82/206
FR-SC58-1800-20	200L	240USD	71/191



1, Inlet/Outlet:  $\Phi 22$  or 3/4 inch male

2, Insulation: can accept  $250^{\circ}\text{C}$

3, Frame: Aluminum or Stainless Steel, painted resistant Ultraviolet Light

4, Heat Pipe: Heat Pipe plug in Vacuum Tube with Aluminum Absorb sun

5, Tube Support: Easy to adjust

6, Mainfold: Aluminum or Stainless Steel, painted resistant Ultraviolet Light

Email: [faro12@fanrong.com.cn](mailto:faro12@fanrong.com.cn) [seekerxu66@gmail.com](mailto:seekerxu66@gmail.com)

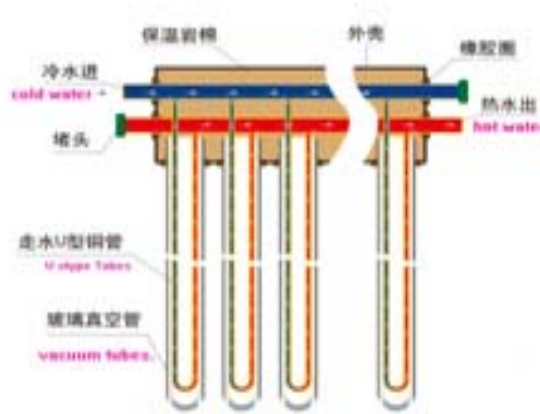
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## 3.U Pipe Solar Collector Series

Model	Support capability of water(L)	USD FOB Shanghai	Loading(20GP/40HQ)
FR-SC58-1800-10	100L	135USD	123/309
FR-SC58-1800-12	120L	156USD	104/280
FR-SC58-1800-15	150L	195USD	82/206
FR-SC58-1800-20	200L	260USD	71/191



- 1.Manifold casing material: Stainless steel 201 or Aluminum Alloy 0.4mm thickness
2. Frame material: Stainless steel 201 or Aluminum Alloy 1.5mm thickness
3. Header pipe material:copper, 0.8mm thickness and 22mm diameter
4. Heat pipe material:copper,0.5mm thickness and 6mm diameter.
5. Insulation:Polyurethane foam or rock wool
- 6.warranty time: 5 years. During time:10-15 years

Refer:

Warranty : 5 years' international responsibility for free repairing or exchange due to original quality problem.

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## 4. Flat Solar Collector Series:



Model	PC-76	PH-76
FOB Shanghai	100USD	132USD
Metric (LxWxH)mm	2000 x 1000 x 76mm	2000 x 1000 x 76mm
Carton (LxWxH)mm	2020 x 1135 x 80	2020 x 1135 x 80
Gross Area (m <sup>2</sup> )	2.12 m <sup>2</sup>	2.12 m <sup>2</sup>
Absorber Area (m <sup>2</sup> )	1.83 m <sup>2</sup>	1.83 m <sup>2</sup>
Header Material	Copper TP2	Copper TP2
Header Tuber Size	φ25 ×δ0.5 ×1060mm 2pcs	φ25 ×δ0.5 ×1060mm 2pcs
Riser material	Copper TP2	Copper TP2
Riser Tuber Size	φ10 ×δ0.5×1888mm 7pcs	φ10 ×δ0.5×1888mm 8pcs
Number of Covers	1	1
Covers Material	Steel Glass	Tempered glass
Covers Thickness	4mm	4mm
Cover Transmission	89%	about 89%
Weight	35kg	35kg
Material	Copper – aluminum Compound	All Red Copper
Surface Treatment	Anodic Oxidation	Electroplating the black Chrome
Construction Type	tube and plate	Tube and plate
Working pressure	0.6MPa	0.6MPa
Insulating Material	16kg/m <sup>3</sup>	16kg/m <sup>3</sup>
Fram Insulation Material	Fibre Glass Insulation	Fibre Glass Insulation
Insulation Thickness	back: 30mm side:20 mm	Back: 20mm Side:20 mm
Frame	6063 Aluminum Alloy 6063	6063 Aluminum Alloy 6063
Frame Thickness	0.8~1.0mm	0.8~1.0mm
Back Plate	Galvanised Steel Plate(0.30mm )	Galvanised Steel Plate (0.30mm )
Max Operation Temperature	≤200℃	≤280℃

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## Business Term:

- 1.Min Order: 1\*40HQ.
- 2.Warranty: 5 years against manufacturing defects.
3. Delivery: Ship them together in the same container , Within 15 days from the receipt of 30% Deposit
- 4.Terms of Payment:30 % T/T as advance deposit, 70 % T/T Against copy of B/L on mail. Then the original document will be shipped.
- 5.Packing: Packing will be done at ply corrugated box with the polythine bag rapped on proper way,Instruction manual for assembly has to be put in every Box of Packing,the Tube Box has to be pack in ply corrugated box,Proper insulation / Enough shock absorbent material (thermocole) has to be put.

## Production, Warehouse, Package and Factory:



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