

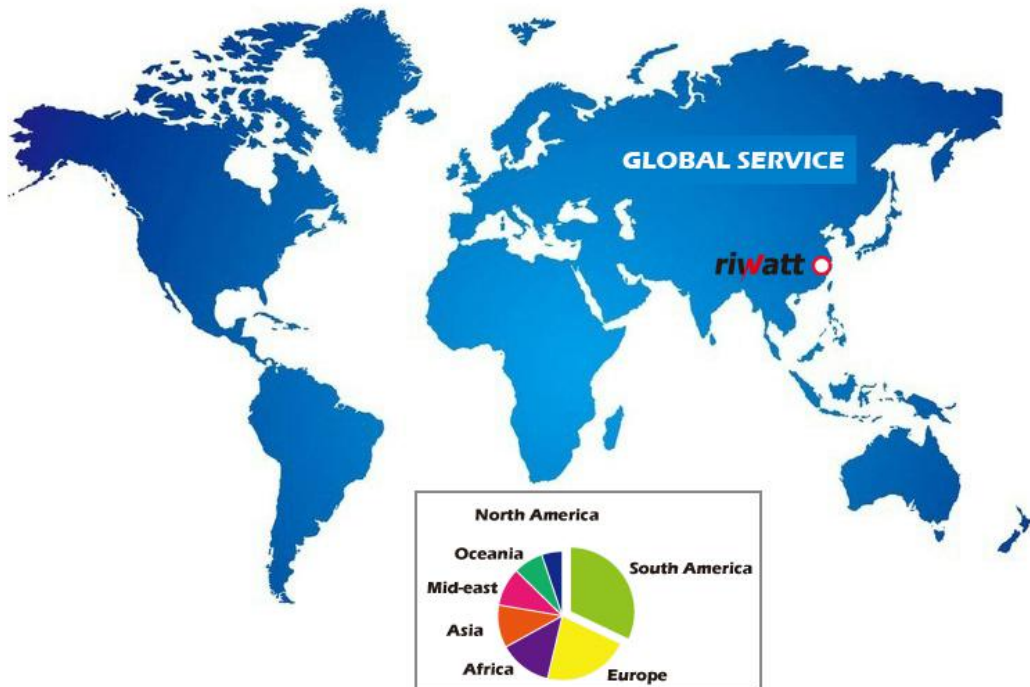
riwatt

↘ About Us

Riwatt Solar Co.,Ltd is a premier manufacturer of the world's finest maintenance free solar home power system, solar water heater to the public at very competitive prices, with an emphasis on professional innovation and quality, we have always put an emphasis on conducting business in an ethical, responsible, clear, and ecological way.

Riwatt value Innovation, Dedication and Superiority, and satisfy our customers by providing high-tech designs and features solar thermal products according to customers' needs. Improving the quality continuously and innovating forever. Our products have been approved by plenty of customers whom from around the world like America, Europe, Middle East, Asia and Australia.

Riwatt will incessantly offer noteworthy high quality solar thermal energy and professional service with the deep technical accumulation, reasonable human resource and farsighted strategy. We sincerely welcome you contact with us and do the mutual benefit business with each other in the near future!

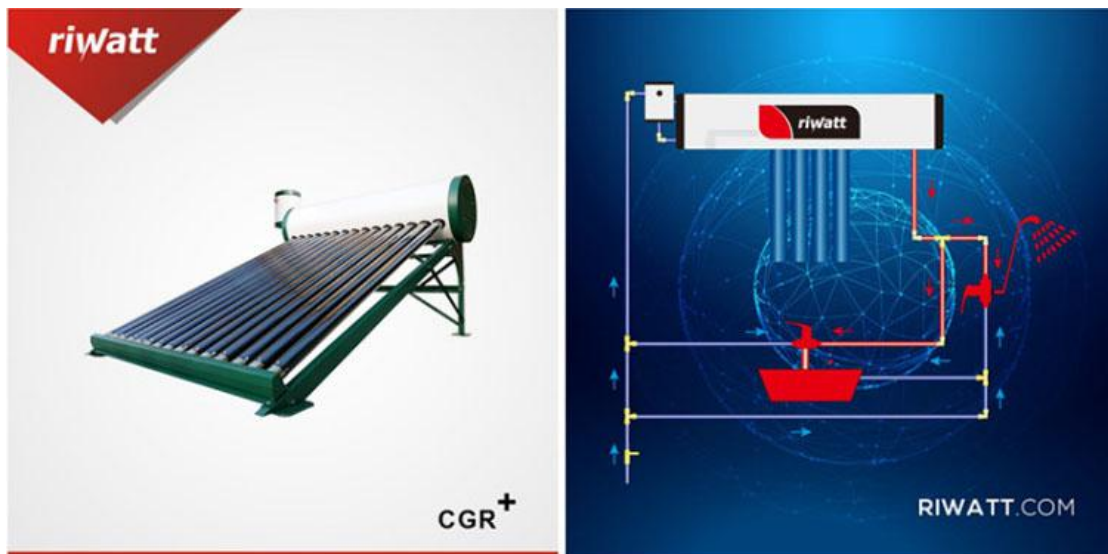


CGR⁺ -Gravity Feed Type Solar Water Heater

MODEL	Vacuum Tube		Capacity (L)			Absorber Area	Container Load	FOB/SHANGHAI
	Pcs	Size(mm)	Tank	Tube	System	(M2)	(20'GP/40'HQ)	(US\$/SET)
CGR ⁺ - 10	10	58×1800	100	30	130	1.330	78/190	-
CGR ⁺ - 15	15	58×1800	145	45	190	1.996	52/127	-
CGR ⁺ - 20	20	58×1800	190	60	250	2.660	39/95	-
CGR ⁺ - 25	25	58×1800	235	75	310	3.325	31/76	-
CGR ⁺ - 30	30	58×1800	280	90	370	3.990	26/63	-
CGR ⁺ - 36	36	58×1800	335	108	443	4.788	22/53	-

Above offer include: water tank, vacuum tubes, bracket & **5L assistant tank**

CGR+ - SERIAL GRAVITY FEED NON PRESSURE SOLAR WATER HEATER			
Water Tank	1	Material of Outer Tank Shell	Zinc-Coated Color Painted Steel
	2	Material of Inner Tank Chest	Food Grade SUS304-2B Stainless Steel, 0.5mm thickness.
	3	Water Tank Diameter	【480/380 MM】
	4	Water Tank Insulating Layer	Imported Polyurethane, High Density, 【50MM】
	5	Tube to Tube Distance	【80MM】
	6	Heat Preservation Period	72~80 Hours
	7	Welding Method	Argon Arc Welding
Vacuum Tube	8	Tube Structure	All-Glass Double-Tube Co-Axial Structure
	9	Glass Material	High Borosilicate 3.3 Glass
	10	Tube Size	【58*1800 MM】 【1015/20/25/30/36 TUBES】
	11	Coating Material	CU/SS-ALN(H)SS-ALN(L)/ALN
	12	Sediment Method	Tri-Element Magnetron Sputtering Plating
	13	Absorb Ratio	> 92% (AM 1.5)
	14	Thermal Emissivity	≤ 8 % / (80°C)
	15	Pressure Between Tubes (Empty)	5x10 ⁻³ PA
	16	Freezing Point	-30°C
	17	The Average Heat Loss: ULT	≅ 0.60W / (M2· °C)
	18	Hail Resistance	Ø25mm
Bracket	19	Bracket Material	【Stronger Galvanized Steel, 1.35mm thickness】
	20	Bracket Angle	【16/20/25/27/30/38/45°】
	21	Bolts & Nuts	Stainless Steel
Assistant Tank	22	Assistant Tank Material	Zinc-Coated Color Steel
	23	Assistant Tank Capacity	【5L/8L/20L】
	24	Assistant Tank Model	Vertical/Horizontal, Optional



Working Principle:

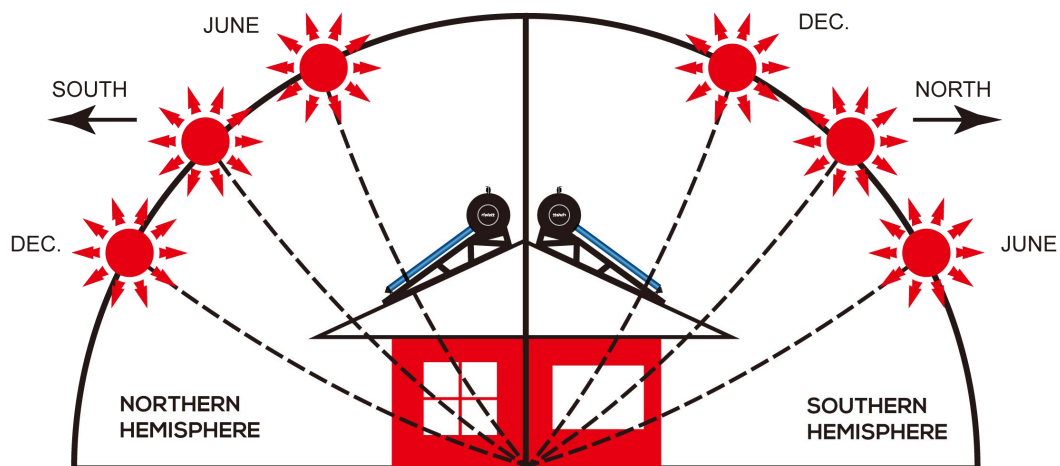
Thermo siphon Solar Water Heater relies on the natural circulation of water between the collector and the tank or heat exchanger. As water in the vacuum tubes is heated, it rises naturally into the elevated tank while cooler heavier water in the tank flows down to the bottom of the vacuum tubes, causing circulation throughout the system. Greater height differential will result in greater flow. Larger pipe, shorter runs, and gentle bends will make for an adequate flow rate.

Portable Demo Solar Kits.





Mounting Surfaces and Direction:

Solar system can be installed on a flat roof or a tiled roof with maintaining the proper angles and directions. Naturally you want the collector to receive the maximum amount of sunlight each day and throughout the year. As a general rule if you are in the Northern Hemisphere then the collector should face south and if you are in the Southern Hemisphere then the collector should face north. See diagram below.



You do not have to be too careful about mounting the collector at the exact angle suggested. If your roof angle is within 10+/- of your desired angle you can just mount the solar collector flush against the roof surface. The added trouble of adjusting the collector to a precise angle is not warranted as it will not result in a great improvement in efficiency.

Non Pressure Solar Water Heater Accessories

Pictures	Description	Remark	FOB/SHANG HAI
 <p>riWatt</p> <p>M-7</p>	<p>M-7 Controller Panel (TK-8A,SR601,SR500 OPTIONAL)</p>	<p>220V</p>	<p>-</p>
 <p>riWatt</p> <p>AFT-5L</p>	<p>Assistant Tank Stainless Steel Type 5L</p>		<p>-</p>
	<p>Assistant Tank Color Painted Steel 5L</p>		<p>-</p>
 <p>riWatt</p> <p>ELE-47MM/1500W</p>	<p>Electric Heater Element 316L Stainless Steel</p>	<p>47mm, direct-plug model</p>	<p>-</p>
 <p>riWatt</p> <p>BALL VALVE</p>	<p>Equal Ball Valve</p>	<p>3/4"</p>	<p>-</p>

 <p>riWatt</p> <p>COPPER FITTINGS</p>	Copper fittings	3/4"	-
 <p>riWatt</p> <p>PEX-AL-PEX PIPE</p>	PEX-AL-PEX Water Pipe 90 meters	3/4"	-
 <p>riWatt</p> <p>INSULATION PIPE</p>	Insulation Pipe	-	-
 <p>riWatt</p> <p>AL.FOIL + PTFE TAPE</p>	Aluminum Foil Tape+PTFE TAPE	-	-
 <p>riWatt</p> <p>WATER FILTER</p>	Pre-Water Filter	-	-

 <p>SHOWER HEAD</p>	Shower Header	-	-
 <p>MIXING VALVE</p>	Water Mixing Valve	-	-
 <p>90/120/260W AUTO-BOOSTER PUMP RIWATT.COM</p>	Vortex Pump/ Booster Pump/ Circulation Pump	-	-

Transaction Terms:

1. Payment term: 30% TT in advance or L/C (NEGOTIABLE), for sample order, LCL P.O, 100% TT in advance.
2. Delivery: ±13 working days after the receipt of deposit.
3. Warranty:

The manufacturer covers failure due to manufacturing defects for the following warranty time periods.

Collector Manifold Warranty: 7 (SEVEN)Years | Evacuated Tubes Warranty: 15 (FIFTEEN) Years

Stainless Steel Tank Warranty: 7 (SEVEN)Years | Warranty of Other System Components: 1 (ONE) Year