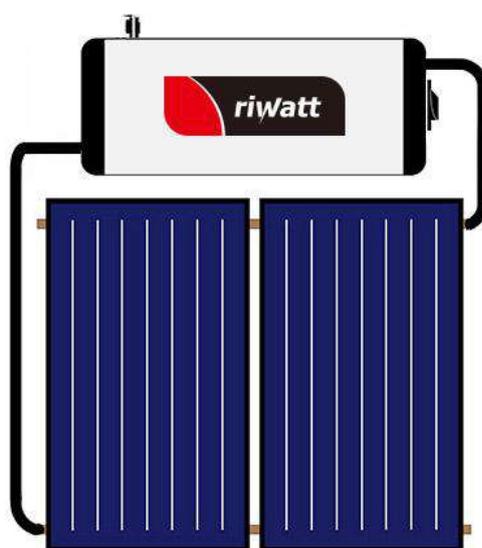


RREMIUM FLAT PANEL SOLAR WATER HEATER



<i>Flat Panel Solar Water Heater (PRESSURIZED TYPE)</i>						
MODEL	Flat Panel Solar Collector (Black chrome)		Capacity	Absorber Area	Suitable for	FOB/NI NGBO
	Pcs	Size(mm)	(L)	(M2)	(Persons)	\$/SET
【150L-1250*2000*80mm*1 Pcs】	1	2000*1250*80MM	150	2.5	4~5	
【200L-1000*2000*80mm*2 Pcs】	2	2000*1000*80MM	200	4	6~7	
【300L- 1250*2000*80mm*2 Pcs】	2	2000*1250*80MM	300	5	8~10	
Warranty: solar water heater: 5 year, accessories: 1 year, production time: 13~18 business days.						

FLAT PANEL SOLAR WATER HEATER SPECIFICATION

Flat Panel Solar Water Heater (High Pressure)			
MODEL NO.	150L	200L	300L
Water Storage Tank			
Capacity of Tank	150L	200L	300L
Water Tank Type	【CLOSED LOOP HIGH PRESSURE WATER TANK】		
Water Tank Dia.	480/520/540mm	480/520/540mm	480/520/540mm
Material of Outer Tank	Color Coating Galvanized Steel/ Stainless Steel / 0.45mm		
Material of Inner Tank	Stainless Steel SUS304 or 316L, thickness: 1.2 /1.5 thickness		
Thermal Insulation	High density polyurethane insulation to 40kg/m ³		
Joint of Water Tank	3/4"		
Circulation Pipe Joint	3/4"		
Max.Working Pressure	0.7Mpa		
Flat Panel Solar Collector			
Solar Collector Model	2000×1250×80	2000×1000×80	2000×1250×80
Collector Dimension(L*W*T)	2000*1250*80mm*1pcs	2000*1000*80mm *2pcs	2000*1250*80mm*2pcs
'Gross Area	2.50 m ² = 2.5m ²	2 * 2.00 m ² = 4m ²	2 * 2.50 m ² = 5m ²
Absorber Area	2.27 m ²	2 * 1.82 m ²	2 * 2.27 m ²
Collector Weight	32kgs	35kgs	64kgs
Collector Fluid Capacity(L)	15	24	30
Max. Heat Output/Day(kWhrs)	13.75	22.3	27.5
Min. Heat Output/Day(kWhrs)	9.25	14.9	18.5
Cover Material	3.2mm Low Iron Tempered Glass;Transmittance \geq 91%		
Coating	Blue TEC / Black Chrome /Black Anode		
Insulation Material	High Density Rock Wool		
Absorptivity	\geq 95% \pm 2%,Emittance		
Emissivity	5% \pm 2%		
Max.Working Pressure	0.7Mpa		
Material of Frame	Aluminum Alloy, δ 1.3mm, Multiple Color		
Material of Back Plate	Galvanized Steel/Al.Sheet.		
Bracket (NCLINED ROOF OR FLAT ROOF MOUNTED)			
Material	Galvanized Steel/Al.alloy/ Stainless Steel (Optional)		
Angle	30/38/45 degree		
Flexibility	Suitable for Roof of Both Slope and Flat Roof		
SYSTEM INFORMATION			
Container Load(40'HQ/Sets)	93	68	50
Empty Weight(kgs)	79	123	153
Full Weight(kgs)	229	323	453

FLAT PANEL SOLAR COLLECTOR SPECIFICATION

ITEMS	2000×1250×80	2000×1000×80
Riser Pipe Type	GRID	
Length×Width×Height (mm)	2000×1250×80	2000×1000×80
Header Pipe Material and Qty.	Copper TP2, Ø22 mm (2 pipe)	
Riser Pipe Material and Qty.	Copper TP2,Ø8 mm (9 pipes)	Copper TP2,Ø8 mm (7 pipes)
Gross Area (m ²)	2.5	2
Absorb er Area(m ²)	2.27	1.82
Net Weight(kgs)	35	30
Liquid Capacity(ltr)	1.53	1.23
Surface Treatment	Sputtering (Blue Titanium Absorber) OR BLACK CHROME	
Absorb er Plate Material	Aluminum Board	
Absorptivity	≥95% ±2%	
Emissivity	≤5% ±2%	
Frame Material	6063 T5 Aluminum Profile,Thickness : 1.2mm	
Back Plate	Galvanized Steel/Aluminium Sheet	
Insulation Material & Thickness & Density	Fiber Glass 30mm,Density:36g/m ³	
Transparent Cover	Super White Low Iron Embossed Tempered Glass ,δ3.2mm,Light Transmission ≥ 91.5%	
Instant Thermal Efficiency(η)	0.79	0.77
Heat Transmission Medium	70% Propylene Glycol+30% Pure Water	
Test Pressure(Mpa)	1.2 Mpa , and Keep 15 Minutes	
Working Pressure(Mpa)	0.7	
Advising Flow Rate(L/H- m ²)	70~80	
Heat Loss Coefficient a1* (w/ m ² .°C)	3.25	5
Collector Stuffy Temperature(°C)	190	180
The Series Group Number (pcs)	≅ 8	

FLAT PANEL SOLAR WATER HEATER CHARACTERISTIC:

1. Low cost, most economic among flat plate solar water heater.
2. Water tank high pressurized or non pressure design, closed loop or open loop optional.
3. Suitable for hot area, where is no frozen risk area.
4. No Glycol, No Chemicals!
5. Electric booster models available
6. Inner tank material: stainless steel 316/304/vitreous enamel
7. Black or Blue selective coating Absorber
8. Save 55% to 85% of your water heating energy consumption
- 9, Reliable, low maintenance operation
10. Flexible solution with options of collector and tank capacity
11. Easy to mounting and installation

TYPICAL APPLICATIONS:

1. Residential- Efficient hot water for homes, apartments, reducing energy costs sustainably.
2. Hospitality- Reliable hot water for hotels, resorts, ensuring guest comfort, cost savings.
3. Education- Sustainable hot water for schools, colleges, promoting green initiatives affordably.
4. Healthcare- Dependable hot water for hospitals, clinics, ensuring sanitation, efficiency, longevity.
5. Commercial- Cost-effective hot water for offices, retail, enhancing sustainability efforts economically
6. Off-grid- Reliable hot water for remote locations, cabins, promoting self-sufficiency, sustainability.
7. Agriculture- Versatile hot water for farms, greenhouses, enhancing agricultural operations efficiently
8. Community- Sustainable hot water for centers, recreation, supporting amenities, cost-effectively.

OPTIONAL SOLAR WATER HEATER PARTS:

<i>Flat Panel Solar Water Heater Accessories</i>			
Serial No.	Description	QTY. (Pcs)	Remark
①	PT VALVE (90/95 °C Degree) 3/4"	1	
②	Non Return & Pressure Relief Valve 3/4"	1	
③	Magnesium anode 1",80cm length	1	
④	DN16-3/4" solar hose(SUS316L DN16-3/4" corrugated stainless steetube OD20*ID16*0.21mm,13mm EPDM insulation wall thickness,seamless UV resistant jacket)	1	
⑤	22mm transfer to 3/4" Stopper	2	
⑥	Controller panel,220V/50HZ	1	
⑦	Backing up electric heater element. 1", 1500W	1	
⑧	Thermostatic mixing valve – 3/4"	1	

REMARKS:

1. Warranty: SOLAR WATER HEATER WITH 5 (FIVE) years, ACCESSORIES: 1(ONE) YEAR.
2. All the goods will be packed in cartons, BUYER'S LOGO or riwatt will press in tanks, cartons subject to FCL.
3. PAYMENT: 30 % TT DOWN PAYMENT, the balance 70% against copy of B/L, ORDER LESS THAN 10000 USD, 100% TT IN ADVANCE (NEGOTIABLE)
4. Delivery: \pm 15~20 working days after the receipt of deposit

