



GMO PRESSURIZED FLAT PANEL SOLAR WATER HEATER

Free and Comfortable Hot Water From GMO

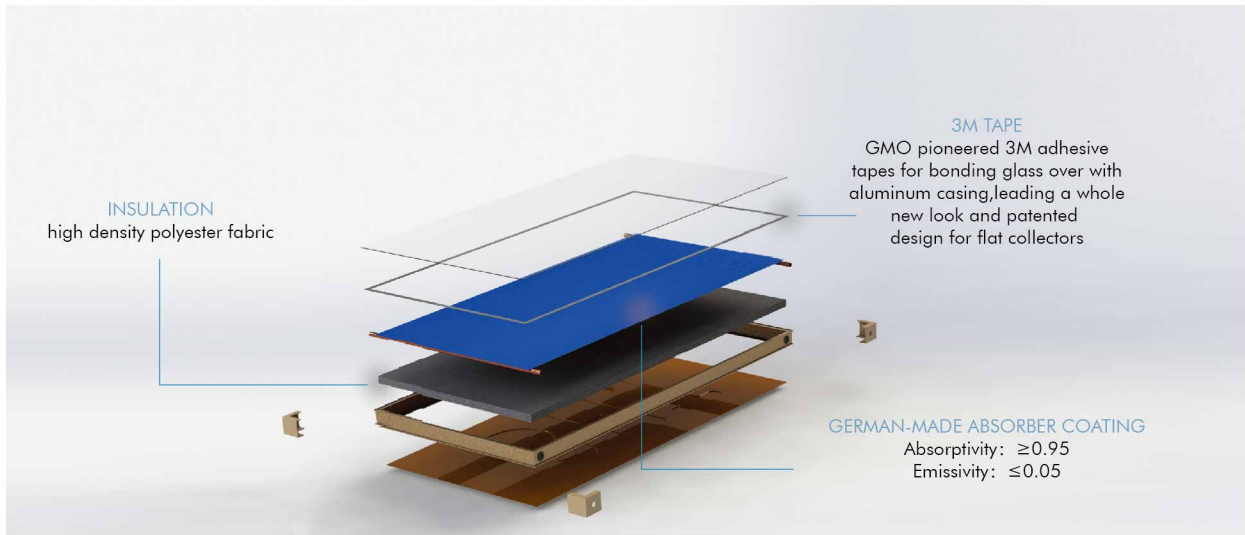
GMO[®]
Green Energy Warm The World

We bring you free and comfortable hot water.

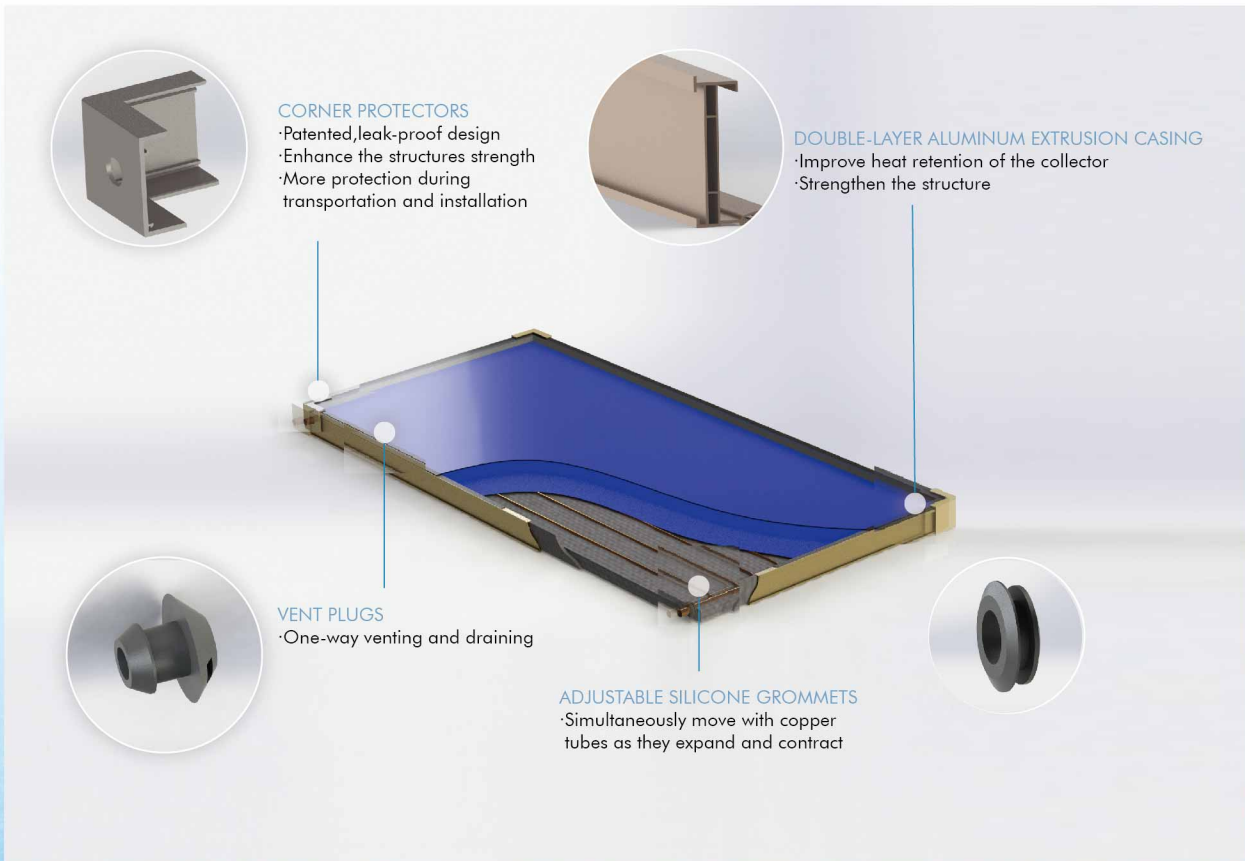


GMO Pressurized SWH

Collector Features



The unique appearance and excellent performance make GMO collectors the reliable choice for commercial and residential solar water heating systems.



THERMAL PERFORMANCE

CLEAR 2000 btu /ft ² ·DAY	A(-9°F)	58.8
	B(9°F)	53.5
	C(36°F)	44.8
	D(90°F)	28.7
	E(144°F)	13.8
MILDLY CLOUDY 1500 btu /ft ² ·DAY	A(-9°F)	44.5
	B(9°F)	39.2
	C(36°F)	30.9
	D(90°F)	16.1
	E(144°F)	3.9
CLOUDY 1000 btu /ft ² ·DAY	A(-9°F)	29.8
	B(9°F)	25.0
	C(36°F)	17.2
	D(90°F)	4.6
	E(144°F)	0.0

CATEGORY

T_i-T_a
 T_i = INLET FLUID
 T_a = AMBIENT AIR
 THOUSANDS OF BTU
 PER PANEL PER DAY



COLLECTOR SPECIFICATION

Model No.	GMO0824A	GMO2000A	GMO2000E	GMO2500A	GMO4X10A
Collector Dimension	800X2400X76mm	2000X1000X76mm	2000X1000X76mm	2000X1220X76mm	3050X1220X76mm
Gross Area	1.92m ²	2.00m ²	2.00m ²	2.44m ²	3.72m ²
Net Aperture	1.76m ²	1.85m ²	1.85m ²	2.28m ²	3.51m ²
Dry Weight	34.00kg	34.00kg	34.00kg	45.00kg	67.00kg
Fluid Capacity	1.20L	1.30L	1.30L	1.60L	2.50L
Max Operating Press	0.8Mpa	0.8Mpa	0.8Mpa	0.8Mpa	0.8Mpa
Header Size	φ 22mm	φ 22mm	φ 22mm	φ 22mm	φ 28.6mm
Riser Tube Size	φ 8mm	φ 8mm	φ 8mm	φ 8mm	φ 8mm
Frame Color	Brown or Silver White	Brown or Silver White	Brown or Silver White	Brown or Silver White	Brown or Silver White
Absorber Coating	Blue Selective	Blue Selective	Black Chrome	Blue Selective	Blue Selective
Test Pressure	1.2Mpa	1.2Mpa	1.2Mpa	1.2Mpa	1.2Mpa

GLOBAL CERTIFICATES

GMO withstood up to 6 months' of strict and rigorous testing in authorized Testing Labs, achieving 5 international certificates. And the Watermark approval for Australia market is in progress.



Solar Keymark



SRCC



KS



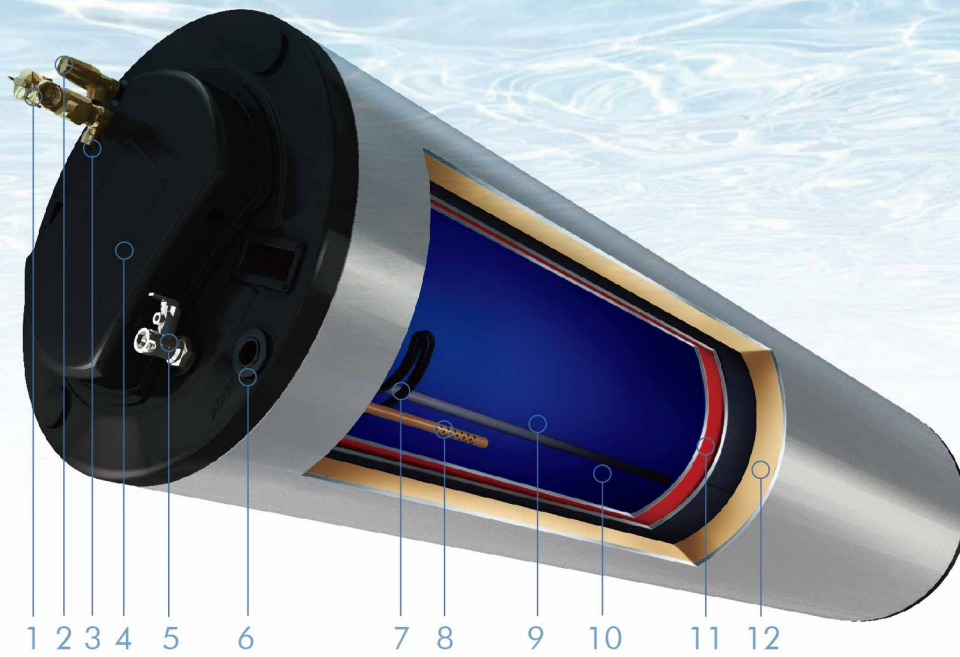
DCL



Trust Mark



China



- | | |
|----------------------------|---------------------------------|
| 1. T/P Relief Valve | 7. Heat Element |
| 2. Pressure Relief Valve | 8. Cold Water Spreader |
| 3. Hot Outlet | 9. Anode Rod |
| 4. Electrical System Cover | 10. Blue Diamond Enamel Coating |
| 5. Cold Inlet | 11. Heat Exchange Layer |
| 6. Solar Circulation | 12. Insulation |

WaterMark® - Meet Drinking Water Requirement



This mark shown on a plumbing product signifies certification to AS3498 that pass 260,000 times fatigue test, 2 times working pressure test and meet drinking water requirement.

Steel-cored Advanced Anode Rod Protection



The anode rod is a highly effective corrosion fighting system which utilizes cathodic action to protect internal tank surfaces from corrosive elements. Anode rod adds a stainless steel core to magnesium anodes for even longer life.

GMO Titanium Blue Inner Tank



The special enamel Confidential formula, acid corrosion resistance, alkali corrosion resistance, temperature rapid change resistance, tightness, hot water corrosion resistance and other technical indicators of enamel are in line with the German DIN4753-3 standards.

T&P Relief Valve



Highly sensitive T&P Relief Valves match to the heater to help ensure that every GMO residential water heater is installed properly and safe.

High Efficient 360° Polyurethane Layer



Extremely thick and high intensity make better thermal protection performance.

Optional appearance color- Grey,Beige,Silver



The shell adopted high efficiency, heat galvanized plate and outdoor painting process. The Shell has the features of anti erosion and rust proof to prolong the service span.

Open Circuit System Introduction

An open circuit system where the water used in the household (hot water) circulates through the solar collector panels transferring solar energy directly into the storage tank. This system type is used in locations where the ambient temperature never falls below freezing point (0 or 32°F) and where the water quality is good.



150L
Solar Water
Heater

200L
Solar Water
Heater

250L
Solar Water
Heater

300L
Solar Water
Heater

Type	Capacity	Water Tank Diameter	Water Tank Length	Collector Number	Maximum Working Pressure	Normal Working Pressure	Heat Element Power	Thermostat Default Temperature	T/P Valve
GMOD -150	150L	555mm	1200mm	1	1.0Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa
GMOD -200	200L	555mm	1540mm	1/2	1.0Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa
GMOD -250	250L	555mm	1870mm	2	1.0Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa
GMOD -300	300L	555mm	2104mm	2/3	1.0Mpa	0.7Mpa	220V/3.6kw	65°C	99°C/1Mpa

Close Circuit System Introduction

A Closed Circuit System is a system where two water circuits are contained within the solar water heater. The first circuit is the household water storage tank which stores the heated household water used within the household. The second circuit is the solar collector circuit which is fully sealed and mechanically separated from the household water circuit by a heat exchange system. The fluid within the solar collector circuit is a mixture of household water and food grade propylene glycol. This fluid mix transfers solar energy from the solar collectors to the heat exchanger system and prevents damage to the solar collectors should the ambient temperature fall below freezing point. This system type can be used in any climatic location and with any water quality considered suitable for human consumption.



150L
Solar Water
Heater

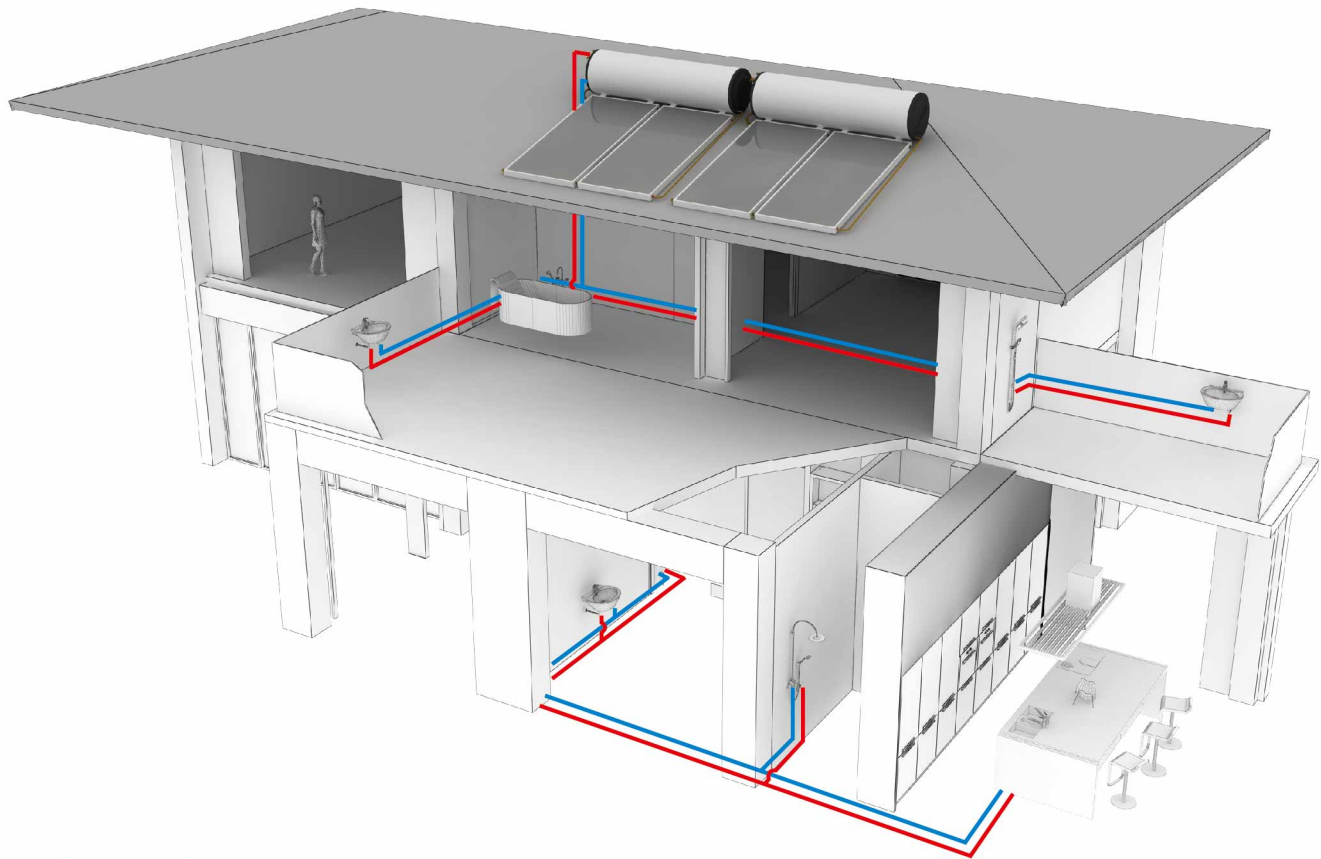
200L
Solar Water
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250L
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300L
Solar Water
Heater

Type	Capacity	Water Tank Diameter	Water Tank Length	Collector Number	Maximum Working Pressure	Normal Working Pressure	Heat Element Power	Thermostat Default Temperature	T/P Valve	Pressure Valve for Jacket
GMOI -150	150L	555mm	1200mm	1	1Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa	0.1Mpa
GMOI -200	200L	555mm	1540mm	1/2	1Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa	0.1Mpa
GMOI -250	250L	555mm	1870mm	2	1Mpa	0.7Mpa	220V/2.4kw	65°C	99°C/1Mpa	0.1Mpa
GMOI -300	300L	555mm	2104mm	2/3	1Mpa	0.7Mpa	220V/3.6kw	65°C	99°C/1Mpa	0.1Mpa

System diagram



Annotation

“ — ” hot water for life “ — ” cold water for life

Thermosiphon Systems

A thermosiphon system is a system where the heated water in the solar collectors rises up into the storage tank by natural thermosiphon action. Thermosiphon action occurs when water is heated in the collectors and expands, becoming lighter. This allows colder, heavier water to fall by gravitational force to the bottom of the collector. The cold water falling to the bottom of the collector pushes the hotter water back up into the storage tank. This natural action commonly known as thermosiphon action occurs without any moving parts or auxiliary electrical energy input to the system.



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