



SUPERSUN

SOLAR WATER HEATERS



TAW Thermo-siphon solar water heaters are high efficiency low maintenance systems that are environmentally friendly and the most economic way to get hot water from the sun. The system uses natural water circulation to heat up the water and doesn't require a pump or control unit. It includes solar collectors, storage tank and durable mounting sets.

SOLAR COLLECTOR

High efficiency coated absorber plate covered with tempered solar glass and mounted on aluminium frame guarantees high performance of the solar collectors. Strong insulation made from mineral wool or polyurethane minimizes heat losses from the collector.

SOLAR STORAGE TANK

TAW solar storage tanks come in three sizes; 150, 200 and 300 litres that meets all domestic requirements and are internally enamel coated for hygiene.

DIRECT AND INDIRECT SYSTEMS

Direct systems are both simple and economical. They are best suited to warm climate regions because they operate with portable water only. They are not recommended in hard-water area.

Indirect systems prevent freezing and scale build up. Heated anti-freeze solution from the collector flows into the tank's heat exchanger jacket and then returns to the collector.

TECHNICAL DATA

	MODEL	TAW150	TAW200	TAW300
Water tank	Tank capacity	150L	200L	300L
	External Dimension(mm)	Ø580 x 1000	Ø580 x 1250	Ø580 x 1820
	Outer tank material	Color coating galvanized steel		
	Heat exchanger material	SUS 304 stainless steel/1.0mm		
	Heat exchanger area(m ²)	0.4	0.5	0.8
	Inner tank material	SUS 304 stainless steel/1.2mm		
	Max working pressure	0.6Mpa		
	Max working pressure of jacket	0.3Mpa		
	Electric element	1.5kW		
Flat solar Collector	Dimension (L x W x T x mm)	2000 x 1000 x 80	2000 x 1250 x 80	2000 x 1000 x 80
	Total area	2.0m ² x 1pcs	2.5m ² x 1pcs	2.0m ² x 2pcs
	Absorber material	Al. full plate		
	Absorber coating	Selective black chrome		
	Header pipe	Red copper/Ø22 x 0.6		
	Riser pipe	Red copper/Ø22 x 0.6		
	Quantity of riser pipe	7	9	7
	Welding	Laser welding		
	Cover material	Low iron tempered textured glass		
	Frame material	Anodised aluminium alloy		
	Insulation material	Fibre glass		
Mounting Bracket	Piping connector size	Ø22		
	Material	Galvanized steel		
Connection	Bracket style	A: Flat roof B: Sloping roof		
	Circulation pipe material	304 Stainless steel corrugated pipe 3/4		
	Connection fittings	Ø22mm x G3/4"		
	T/P pressure relief valve	0.7Mpa/90°C		
Weight	Jacket pressure relief valve	0.3Mpa/G1/2"		
	Weight (empty) kg	103	150	195
	Weight (filled) kg	253	350	495

