



Solar water heaters | Forced circulation systems | Buffers | Electric water heaters | Electric boilers

55
years of
experience



Designed &
manufactured
in Greece

We produce top performance
& quality systems using
robotic technology
& long-term expertise

Solar Water Heaters

with SOLO
Collectors

Top performance and durability
Zero hot water losses
Dual & triple energy
Connection capability also with heat pump

5

YEARS
WARRANTY
SYSTEM

10

YEARS
WARRANTY
COLLECTOR



SOLO full plate Collector

Superior full plate collector with harp-type absorber, with very high levels of efficiency. Tested at the NCSR DIMOKRITOS laboratory in Greece and certified with SOLAR KEYMARK and soon with SRCC.

Frame: Aluminum, electrostatically painted for maximum protection against corrosion, for safe and long-lasting operation in coastal areas.

Absorbent surface: Aluminum with superselective coating, high absorbency and low emission ($\alpha=95\%$, $\varepsilon=4\%$), single sheet, sewn onto the hydroskeleton with laser welding technology.

Glass: Safety (tempered) for maximum resistance to extreme conditions (hail), with very low iron content for high permeability and prismatic to minimize reflection of solar radiation throughout the day.

Thermal insulation: 30mm of special ecological mineral wool, with low resin content. Thermal conductivity: $0=0.035 \text{ W/m}^2\text{K}$ (EN 13162) and heat capacity 0.84 kJ/kgK .

Back: Aluzinc 0.4 mm. This is a sheet with a zinc alloy coating (43.4%), aluminum (55%), and silicone (1.6%). Very good mechanical properties and superior corrosion resistance, 7 times more corrosion resistant than common galvanized steel.



GLASS thermosiphon tank

Internal water tank: 2.5mm thickness. It is manufactured from two deep-drawn cups with ONE ROBOTIC WELDING (half-half).

Closed circuit jacket: 1.8 mm thick cold-rolled steel for maximum durability.

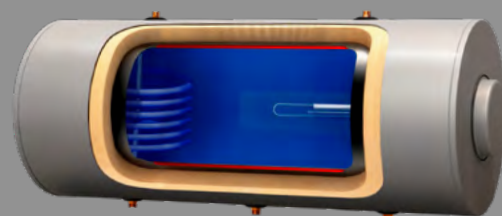
Antimicrobial enamel HARD ENAMEL A2+: heated at 870°C (GLASS). Special recipe for deep-drawn containers with WRAS - NSF certifications for truly healthy water.

Thermal insulation: dense ecological polyurethane 50mm thick to preserve hot water.

Enhanced cathodic protection: use of twice the length and thickness of magnesium anode.

Exchanger: (metal tube) in triple energy types for operation with a boiler or heat pump.

New innovative design: outer casing with distinctive, exceptional aesthetics.



	MODEL	HOW200 / 2.00	HOW200 / 2.50	HOW300 / 4.00
SYSTEM	Capacity (Lt)	200	200	300
	Number of collectors	1	1	2
	Surface of collectors (m²)	2.00	2.46	4.00
	Type of system	Closed loop, natural circulation system		
BOILER TANK	Water Tank	2.5 mm steel sheet on 2 pieces with only one welding at the middle		
	Internal protection	Glass lined (enamel) heated at 860°C + magnesium anode		
	Thermal insulation	Injected PU foam 50mm thickness		
	External casing	Metal sheet 0.5mm thickness, RAL 9006		
	Operation pressure (max)	10 bar		
	Operation temperature (max)	95°C		
	Electric element	2000-4000watt/230V		
	Exterior Diameter (mm)	580		
COLLECTOR	Height (mm)	1250	1300	1800
	Dimensions (mm)	1000 x 2000 x 85	1250 x 2000 x 85	1000 x 2000 x 85
	Frame	Extruded aluminium		
	Back plate	Aluzinc 0.4mm thickness		
	Absorber	High Blue Selective		
	Absorption	95%		
	Transparent cover	3,2 mm tempered low iron securit glass		
	Insulation	Mineral wool, 40mm thickness		



HOVAT Single-member Ltd TRADE AND PRODUCTION OF SOLAR HEATERS & ELECTRICAL APPLICATION ITEMS

Aspropirgos, Athens, Greece, p.o. 193 00 | t. +30 210 55 71 788, +30 210 55 70 893-5 | howat.gr | email: info@hovat-mepe.gr

Howat solar - Ηλιακοί Θερμοσίφωνες

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