



PRODUCTS
LIST
2019



www.delpasosolar.com



The cornerstone of what has now become **Delpaso Solar** was laid in 1998, when the Jiménez del Paso brothers began to produce small solar power units by hand for single-family dwellings. In those days, solar energy was still undiscovered country, and those who ventured into it did so with a great deal of uncertainty and doubt.

Delpaso Solar kept growing and innovating, and now has a modern factory equipped with the latest laser welding technology and robotics, staffed by highly qualified workers. **Delpaso Solar** patented its innovative, revolutionary instant heating system for domestic hot water, making it the first manufacturer to include such a system in its product line.

Now, 20 years after our founding, we are proud to be one of the most important manufacturers of solar power equipment in Spain and internationally, offering first-rate products, as demonstrated by the quality certificates we have earned and the trust placed in us by numerous distributors and other companies.

Delpaso Solar: quality from a company you can trust

Delpaso Solar has an *ISO 9001 Quality Management System* certified by AENOR. In addition, our products are tested in Europe's leading testing labs. Our products are also certified by the major voluntary certification programs for solar energy products: *Solar Keymark* and *Marca N*.

Clearly, **Delpaso Solar** is a modern, high-quality company that meets the demands of its customers by promoting excellence and investing in the continuous improvement of its management and manufacturing processes.



COLLECTORS

Delpaso Solar offers an extensive range of solar collectors, from the economical and effective SuperECOs to the innovative VHSs, manufactured with a one-piece naval aluminum case.

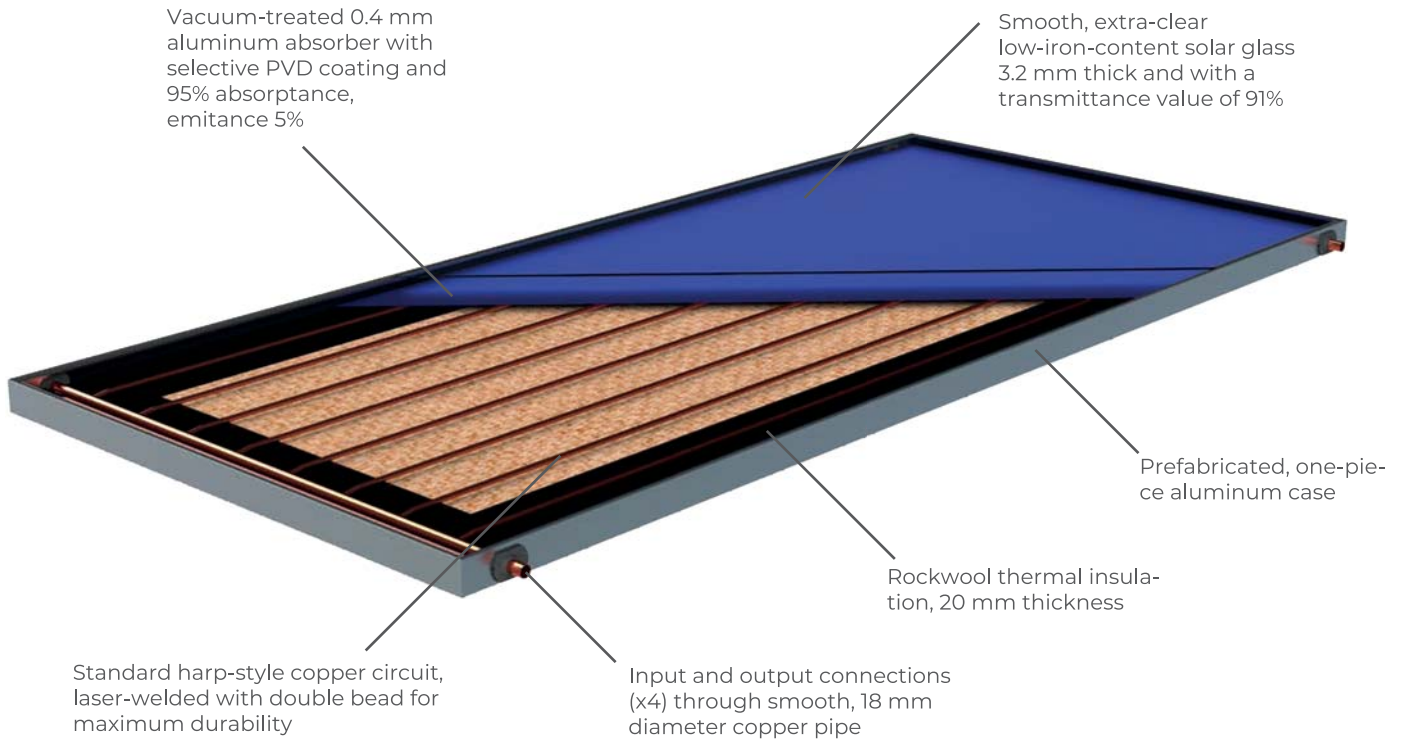
All of our collectors have a vacuum-treated aluminum absorber with selective PVD and a thickness of only 0.40 mm, offering an absorptance of 95% and emittance 5%, and smooth, extra-clear tempered solar glass with a low iron content and solar transmittance of 91%.

We not only use the best components, but also have a high-tech assembly line with laser welding and the latest advances in robotics.

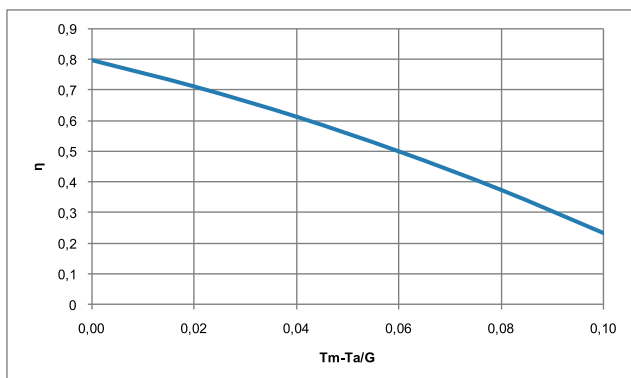
In addition, all of our collectors have four lateral intakes, greatly facilitating interconnections for creating any type of configuration and offering cost savings on connection elements.



GREEN PRODUCT LINE SUPERECO



Collector		SUPER ECO 1800	SUPER ECO 2000	SUPER ECO 2500
Code		2002131	2002132	2002133
Placement		Vertical		
Aperture area	m ²	1.63	1.88	2.38
Absorber area	m ²	1.59	1.83	2.33
Height	mm	2055	2056	2056
Width	mm	836	956	1206
Depth	mm	49	49	49
Gross area	m ²	1.72	1.97	2.48
Empty weight	Kg	21.5	24.5	30
Fluid volume	l	0.93	1.09	1.34
Pressure regime	bar	Test pressure: 20 bar		Maximum working pressure: 10 bar
Flow range	l/h·m ²	30.0 - 115.0		
Stagnation temp.	°C	200.3	200.3	200.3
Peak power(G=1000 W/m ²)	W	1299	1498	1877
Certification standard		EN 12975-1/2:2006 ISO 9806:2013		
Performance curve		based on gross area		
Optical performance	%	75.50		
K1 losses	W/m ² ·K	3.726		
K2 losses	W/m ² ·K ²	0.016		



All models are
KEYMARK certified

ACCUMULATORS

As a leader on accumulation systems, from Del Paso Solar we offer to our clients a wide range of products applying different advanced technologies.

We can offer solutions for any need of the market due to the high level of automation of our production lines and the optimization of our designs thanks to a multitude of patents.

ACCUMULATORS

The range of enameled accumulators of **DELPASO SOLAR** is composed by the horizontal tanks to work like thermosiphon system, as well vertical tanks to work like drain-back systems.

The high quality of the enamelled coating applied at 850° as well the optimized design of the materials used on his fabrication , allow us get a product with maximum of quality and performance.

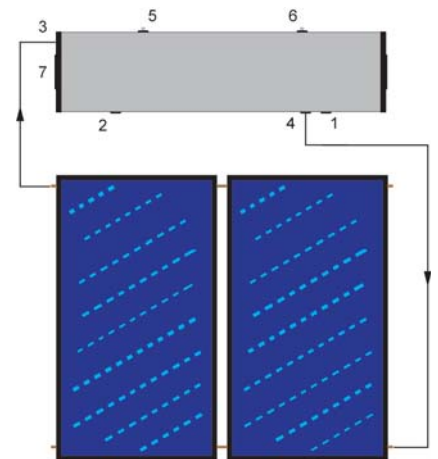
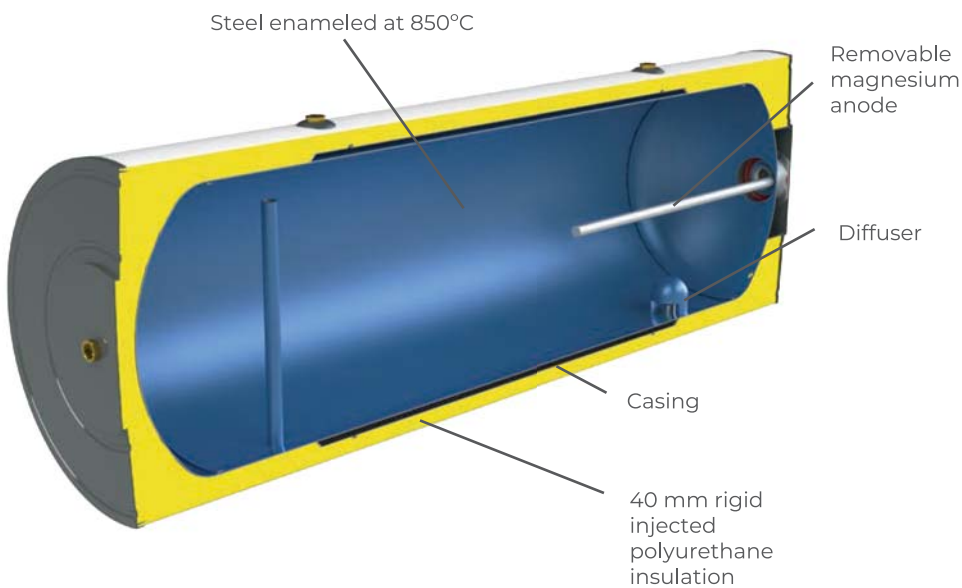


ENAMELED HD

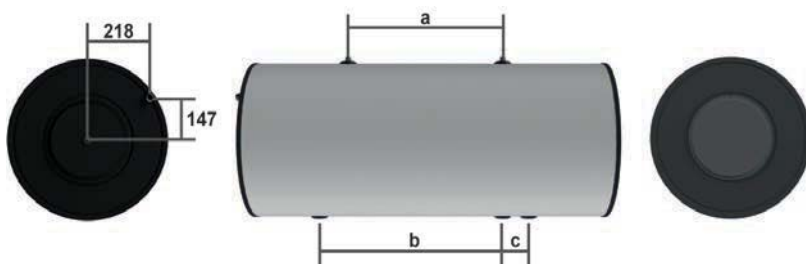
Model		HD 150	HD 200	HD 300
Code		2012020	2012501	2012502
Primary Volume	l	8.6	11.2	15.9
Secondary Volume	l	145	190	273
Exterior finish		Steel metal with white enamel finish		
Internal circuits		Steel enameled at 850 °C		
Insulation		Rigid injected polyurethane PU Thickness 40 mm and density 42 kg/m ³		
Diameter	mm	560	560	560
Length	mm	1070	1300	1765
Empty weight	kg	53.0	72.0	83.0
Accumulator protection		Magnesium anode		
Maximum pressure regime		Primary: 2 bar / Secondary: 8 bar		



Guaranteed for 5 years



1. DCW inlet [1/2" F]
2. DHW outlet [1/2" F]
3. Collector return [D 18 mm]
4. Collector flow [1/2" F]
5. 2 bar safety valve [1/2" F]
6. Filling cap [1/2" F]
7. Temperature and pressure relief valve [1/2" F]



Dim. (mm)	HD 150	HD 200	HD 300
a	410	515	95
b	570	675	95
c	870	970	100

Note Delpaso Solar recommends installing an automatic re-seating temperature and pressure relief valve (90 °C and 0.8 MPa)

SOLAR THERMAL SYSTEMS

The combination of different models of tanks and solar collectors manufactured by **Del Paso Solar** leads to multiple systems, both thermosyphon and forced.

In thermosyphon systems, the kits are composed by:

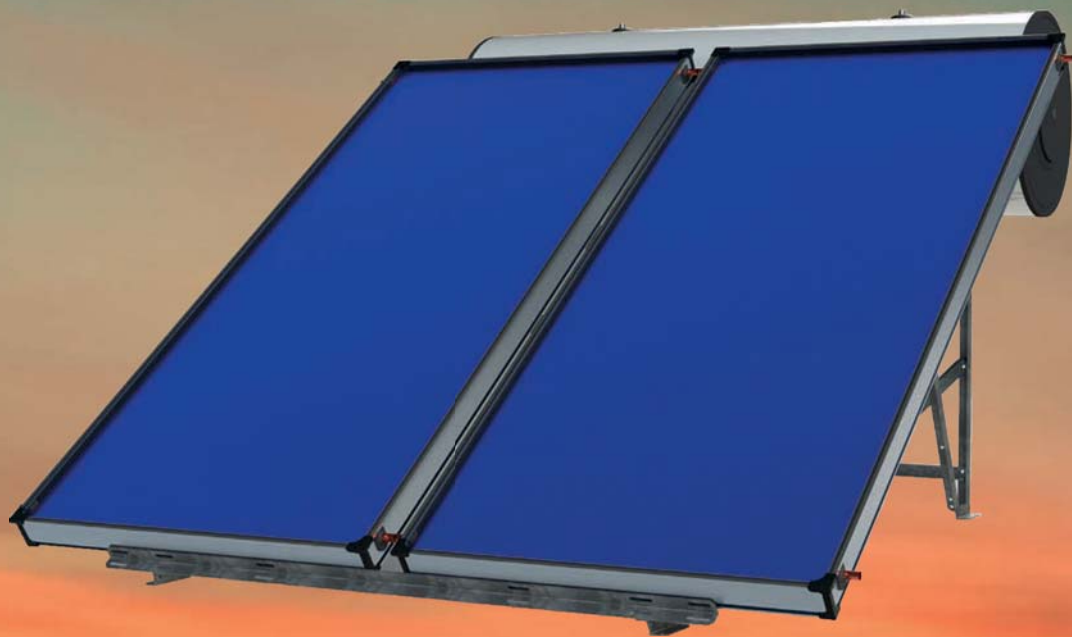
- Collectors
- Accumulators
- Structures.

These are designed to be used on both flat and inclined roofs, simply changing the position of the angles that form it.

ACCESSORIES

In thermosyphon systems composed of connections, safety valves, non-return valves, pipes, insulation, and antifreeze in double jacket and HS IP systems.

In forced systems composed of connections, safety valves and non-return valves.





THERMOSIPHON EQUIPMENT ENAMELED

Thermosiphon Equipment SuperECO HD (enameled)

Model		Compac SuperECO HD150 1.8	Compac SuperECO HD150	Compac SuperECO HD200s	Compac SuperECO HD300 1.8
Code		2032480	2032481	2032482	2032485
Accumulator		HD 150	HS 150	HD 200	HD 300
Capacity	l	145	145	190	273
Collector		SuperECO 1800 (x1)	SuperECO 2000 (x1)	SuperECO 2500 (x1)	SuperECO 1800 (x2)
Usable solar area	m ²	1.63	1.88	2.38	3.26
V/A ratio	l/m ²	88.96	77.13	79.83	83.13
Empty weight	kg	100.6	104.6	125.2	206.8
Dimensions	mm	1148x1415x2350	1148x1415x2350	1313x1415x2350	2256x1415x2350
Fluid		Water with maximum characteristics reflected in RITE			
Support structure		DX51 profiled steel L37x2.5 mm treated for outdoor use			



Compac SuperECO

Model		Compac SuperECO HD300	Compac SuperECO HD300s	Compac SuperECO 3HD300s
Code		2032483	2032484	2032488
Accumulator		HD 300	HD 300	HD 300
Capacity	l	273	273	273
Collector		SuperECO 2000 (x2)	SuperECO 2500 (x2)	SuperECO 2500 (x3)
Usable solar area	m ²	3.76	4.76	7.14
V/A ratio	l/m ²	72.60	57.35	38.24
Empty weight	kg	202.4	201.6	233.3
Dimensions	mm	2256x1415x2350	2256x1415x2350	3456x1415x2350
Fluid		Water with maximum characteristics reflected in RITE		
Support structure		DX51 profiled steel L37x2.5 mm treated for outdoor use		

Thermosiphon Equipment ECO HD (enameled)

Model		Compac ECO HD150	Compac ECO HD200S	Compac ECO HD300	Compac ECO HD300S	Compac ECO 3HD300S
Code		2032272	2032273	2032274	2032275	2032191
Accumulator		HD 150	HD 200	HD 300	HD 300	HD 300
Capacity	l	145	190	273	273	273
Collector		ECO 2000 (x1)	ECO 2500 (x1)	ECO 2000 (x2)	ECO 2500 (x2)	ECO 2500 (x3)
Usable solar area	m ²	1.90	2.38	3.80	4.76	4.76
V/A ratio	l/m ²	76.32	79.83	71.84	56.17	56.17
Empty weight	kg	102.4	125.7	202.4	211.6	211.6
Dimensions	mm	1148x1415x2350	1313x1415x2350	2256x1415x2350	2256x1415x2350	2256x1415x2350
Fluid		Water with maximum characteristics reflected in RITE				
Support structure		DX51 profiled steel L37x2.5 mm treated for outdoor use				

Compac ECO



STRUCTURES

Delpaso Solar has a range of versatile structures for the placement and installation of the various types of collectors, that can be used on both flat and sloped roofs and can be easily adjusted to change the degree of incline.

These structures are manufactured using galvanized DX51 steel angle brackets treated for adverse weather conditions, making them highly resistant to corrosive or marine environments. In addition, since we manufacture our own frames and profiles, we are able to custom-manufacture any model to meet our customers' needs.

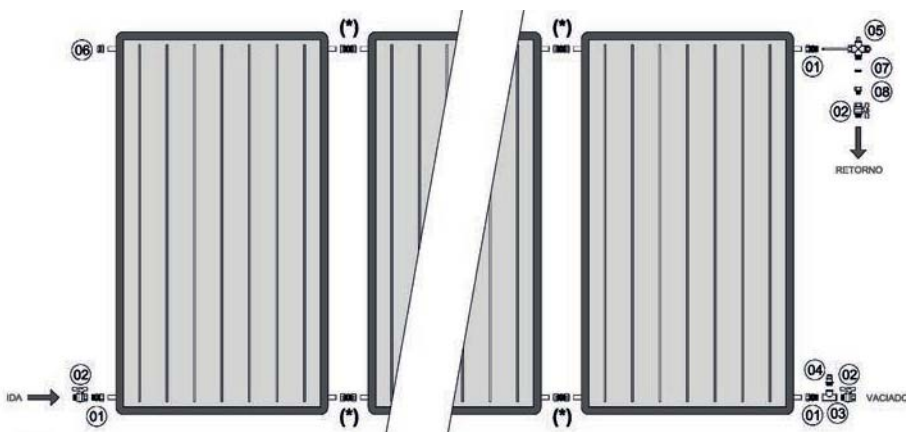
	1 vertical	2 vertical	3 vertical	1 horizontal
Collector ECO 2000	2022075	2022074	2022069	-
Collector ECO 2500	2022075	2022078	2022109	-
Collector VSH 2200	2022030	2022031	2022034	-
Collector VSH 2600	2022030	2022031	2022036	-
Coll. SuperECO 1800	2022200	2022201	2022202	-
Coll. SuperECO 2000	2022203	2022204	2022205	-
Coll. SuperECO 2500	2022206	2022207	2022208	-
Collector PSH 1700	2022209	2022212	2022215	-
Collector PSH 2000	2022210	2022213	2022216	-
Collector PSH 2500	2022211	2022214	2022217	-
Collector HSH 2200	-	-	-	2022032
Collector HSH 2600	-	-	-	2022033
Collector PSH 2000 H	-	-	-	2022218
Collector PSH 2500 H	-	-	-	2022219



Battery kits

Battery kits include all of the items necessary to connect the collectors.

Battery kit	1 collector	2 collectors	3 collectors	4 collectors	5 collectors
Code	2040157	2040193	2040194	2040195	2040196



1. 18 H - 1/2" M straight coupler (3 units)
2. 1/2" M-H Cut-off valve (3 units)
3. T 1/2" H (1 unit)
4. 1/2" M 9 bar safety valve (1 unit)
5. Multipiece, with sensor pocket and manual air vent (1 unit)
6. Sombra 18 cap (1 unit)
7. Silicone gasket (1 unit)
8. 1/2" - 3/4" Marseille fitting (1 unit)

*. Sombra connection couplers 18 (depending on the kit)

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