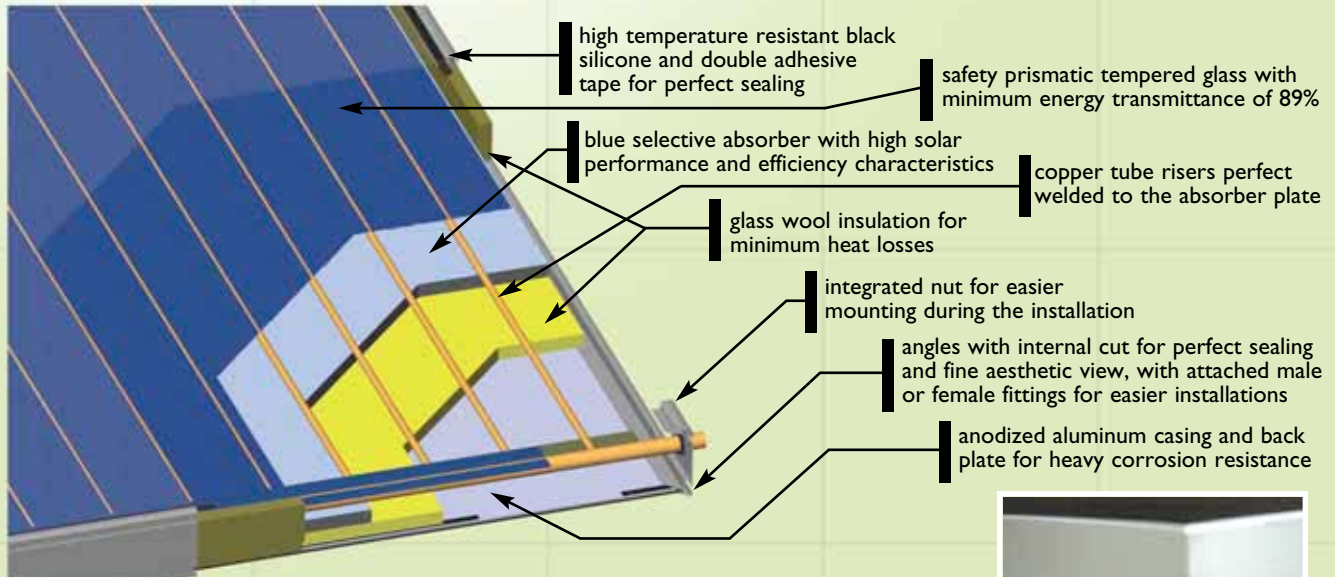




dimas solar
INDUSTRY OF SOLAR ENERGY SYSTEMS
www.dimas-solar.gr

DIMAS SOLAR COLLECTOR ENERGY+ EVO SERIES

The ENERGY+ EVOLution flat plate solar collector, redesigned for high performance and low cost price, mounted vertically or horizontally for both thermosifonic or pumped solar systems, certified by EN12975 1-2 European standards

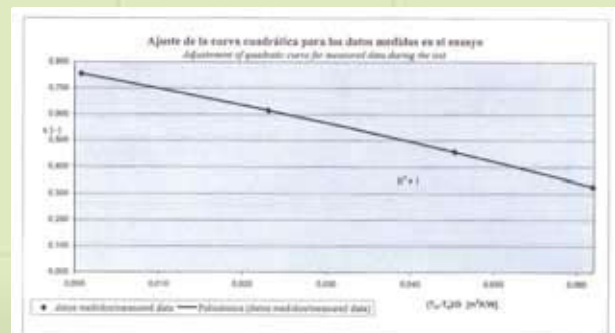
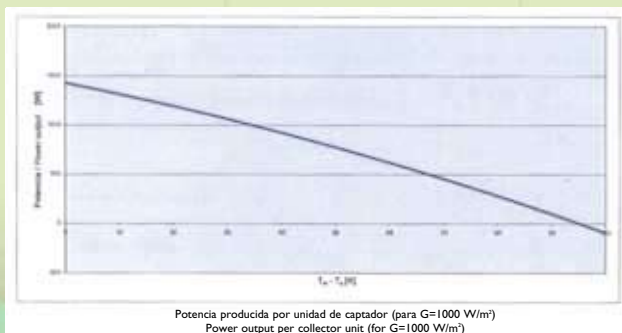


TECHNICAL SPECIFICATIONS

CASING:	anodized aluminum profile
BACK INSULATION:	glasswool with 30mm thickness, 30kg/sq.m density
SIDE INSULATION:	glasswool of 15mm thickness, 60kg/sq.m density
ABSORBER PLATE:	MIROTHERM blue selective aluminum 0.50mm thickness with absorptance $\alpha=0.94$ or SUNSELECT blue selective copper 0.20mm thickness with absorptance $\alpha=0.95$
RISERS:	copper tubes 10x0.50mm or 8x0.40mm, headers 22x0.70mm
COVER GLASS:	safety tempered prismatic glass 4mm thickness
SEALING:	black silicone IG type, double adhesive tape

THE ENERGY+ EVO SERIES ARE AVAILABLE IN THE FOLLOWING DIMENSIONS:

Type:	EVO 1.5	EVO1.75	EVO2.0	EVO2.0	EVO2.30	EVO2.70
Surface in sq.m:	1.50 m ²	1.75m ²	2.0 m ²	2.0m ²	2.30 m ²	2.70m ²
Dimensions:	1000x1500x85mm	1200x1430x85mm	1000x2000x85mm	1350x1500x85mm	1200x1890x85mm	1200x2280x85mm



Note: due to continuous improvement of the products the manufacturer keeps all the rights to any changes of the technical specifications without any prior notice.

ISO 9001:2000



DIMAS SOLAR THERMOSIFONIC SYSTEMS ENERGY+ SERIES



The ENERGY+ Series thermosifonic systems for over two decades are the most proven, versatile and durable, highly protected from freezing and hard water deposits, certified by EN12975 1-2 European standards

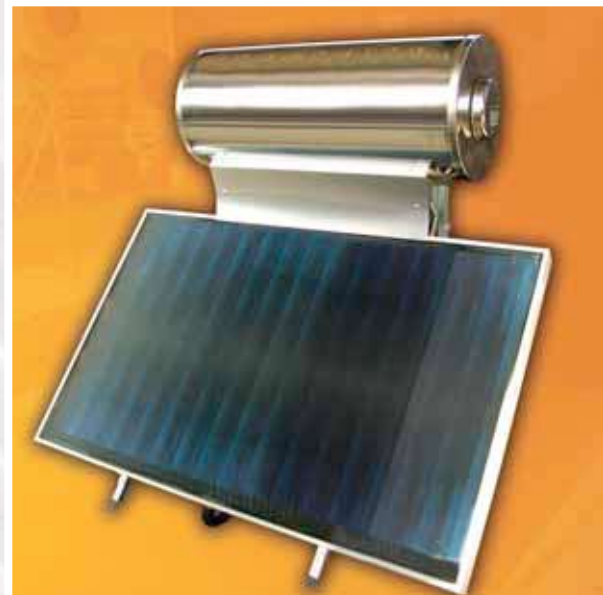
HIGH QUALITY SOLAR SYSTEM

The tank

- external casing of electrostatic painted aluminum
- optional stainless steel external casing
- internal tank with glass enameled steel 2.5mm
- jacketed heat exchanger of 1.5mm steel
- polyurethane insulation of 60mm thickness
- pressure relief valve, copper expansion tank
- magnesium rod
- integrated electric back up element with thermostat
- optional double coil heat exchanger

The collector

- anodized aluminum profile heavy corrosion resistant
- safety prismatic tempered glass
- glass wool insulation
- high temperature resistant black silicone and double adhesive tape
- integrated nut for easier mounting during the installation



The absorber

- blue selective absorber with high solar performance and efficiency characteristics
- absorber's surface available in selective aluminum or copper material
- copper tube risers and headers
- optional surface available in black paint aluminum or copper material

The mounting kit

- galvanized steel mounting frame
- brass fittings
- stainless steel tubing for the closed circuit
- glycol antifreeze liquid
- complete to be installed at the water network

TYPES AND RECOMMENDED SIZES

TYPE	ENERGY+120	ENERGY +160	ENERGY +200	ENERGY +250	ENERGY +300
TANK	120L	160L	200L	250L	300L
COLLECTORS	1.75m ²	2.0m ² or 2.30m ²	2.30m ² or 2.70m ²	2.70m ² or 3.0m ²	3.0m ² or 4.0m ²
PERSONS No.	2-3	3-4	5-6	7-8	9-10

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