



## ISOFOTON SOLAR THERMAL KIT

- Isofoton moves with an energy that is inexhaustible, full of strength and capable of changing the world. The Sun's energy.

### FULL SOLUTION IN ONE EASY KIT

• This Kit presents a domestic solution ready for installation, a user-friendly alternative for hot water. An easy, clean, efficient and economical energy option for all users.

### DOMESTIC HOT WATER USERS GUIDE

OCCUPANCY (people)	SOLAR COLLECTOR (*)	TANK
2-4	1	200 litres
4-6	2	300 litres
6-8	3	500 litres

(\*) Calculation based on climatological data of the Iberian Peninsula. For other locations, please contact us.

### CHARACTERISTICS OF ISOTHERM PLUS COLLECTOR

TYPE	Harper grid
MATERIAL (selective coating)	Copper with selective coating using titanium oxide
USEFUL ABSORBER AREA	2.205 m <sup>2</sup>
PLATE – TUBE JOINT	Ultrasonic welding
SOLAR GLASS THICKNESS	4 mm
SEALING	EPDM
MATERIAL (casing)	Anodized Aluminium
COLLECTOR EFFICIENCY (EN 12975)	$\eta_0$ : 0.773; $k_1$ : 3.243 W / m <sup>2</sup> K; $k_2$ : 0.014 W / m <sup>2</sup> K <sup>2</sup>
PACKAGING, Nº COLLECTOR / PALLET	15 pcs.



## CHARACTERISTICS OF ISOINTEGRAL TANK

<b>DESCRIPTION</b>	DHW Solar Storage tank with integrated solar pump station and solar controller
<b>CAPACITY</b>	200 / 300 / 500 l
<b>MATERIAL</b>	Vitrified steel (s/DIN 4753)
<b>WATER TANK DIAMETER</b>	620 / 620 / 770 mm
<b>WEIGHT</b>	90 / 115 / 165 Kg
<b>MAXIMUM DHW TEMPERATURE</b>	90° C



## CHARACTERISTICS OF PUMP STATION



<b>CIRCULATING PUMP</b>	Grundfos Solar UPS 25 – 60
<b>SAFETY VALVE</b>	6 bar
<b>HOUSING</b>	Isolated (PPP) with pressure closure
<b>VALVES</b>	Filling and draining
<b>CONNECTION EXPANSION TANK</b>	Flexible tube with wall mounting

## CHARACTERISTICS OF SOLAR CONTROLLER

<b>INPUTS / OUTPUTS</b>	3 / 1
<b>DISPLAY: SYSTEM MONITORING</b>	Simultaneous display of two temperatures (storage and output collectors)
<b>POWER SUPPLY</b>	220 – 240 V ~



## CHARACTERISTICS OF MOUNTING SYSTEMS

<b>TYPE</b>	Mounting systems for FLAT - and SLOPED roof
<b>MATERIAL</b>	Anodized aluminium. Alloy 60/63



## REMARKS

- The guarantee is 5 years for storage and 2 years for the rest of the components.
- All specifications are subject to change without prior notice. For further details, please visit [www.isofoton.com](http://www.isofoton.com)