

**GLOBAL
INNOVATION**
PATENT PENDING

PLEION
Il n.1 del Solare Termico in Italia!

EGGO

Smart.Solar.Box



THE LIGHTEST SOLAR WATER HEATER
THE ONLY ONE IN 2 COLORS AND 5 SIZES



DESIGNED AND MANUFACTURED IN ITALY

www.pleion.it

EGO

Smart.Solar.Box

Must the solar collector panel necessarily be made of glass?

EGO Smart.Solar.Box has abandoned glass for a lighter and more resistant material: **LEXAN®**. We have reduced the weight but not the quality, and we have improved performance. The new panel in **LEXAN®** considerably reduces the dispersion of heat compared to traditional glass, it eliminates the condensation effect, and it increases resistance to adverse weather conditions. Lastly, the exclusive design of the frame makes the solar water heater very similar to an attic window. **As the saying goes: "Less is more!"**

1 LEXAN® ALVEOLAR POLYCARBONATE

- **VIRTUALLY UNBREAKABLE**, RESISTANT TO ALL WEATHER CONDITIONS, 250 TIMES MORE RESISTANT THAN GLASS.
- **TRANSPARENCY**, EXCEPTIONAL SOLAR RADIATION CONDUCTION CAPACITY.
- **LIGHTWEIGHT 80% LIGHTER** THAN GLASS
- **HIGH PERFORMANCE**, DRASTIC REDUCTION OF HEAT DISPERSION DURING THE NIGHT
- **DOUBLE UV PROTECTION**

Why are all solar water heaters so heavy?

EGO Smart.Solar.Box is 40% lighter thanks to the combination of new materials: installation is easier and faster, and being lighter it can be installed with less worry: **the 105 litres model weighs only 36 Kg!**

2 PVC STRUCTURE AND FRAME

- **PLASTIC MATERIALS RESISTANT TO BLOWS AND TO UV RAYS**
- **"LIGHTER" TRANSPORT AND INSTALLATION**

Lexan* Tough Virtually Unbreakable
Film and Sheet

For SMART people with a GREEN heart!

We have used the most innovative materials on the market and the most intelligent technical solutions: **EGO Smart.Solar.Box. is thus the lightest, most efficient, best insulated, most resistant, easiest to install and easiest to inspect system, and it is 100% recyclable.**

Why are all solar water heaters so ugly?

Design and functioning, all in one. **EGO Smart.Solar.Box** is beautiful from all viewpoints.

- 3 THE FRAME**
The easy-to-change frame makes this a design object suitable for any architectonic context and at the same time allows for fast installation and easy maintenance.

- 4 THE SUPPORT BRACKETS**
Light and elegant in 100% recyclable material, they facilitate assembly and transport. (Available in the BASIC version, or in the DELIGHT version as an optional)

Why do all solar water heaters develop a lot of problems?

Most of the thermosiphon solar water heaters are subject to various problems, such as low resistance to water corrosion especially if the water is particularly aggressive, or pressure resistance problems.

- 5 HOUSEHOLD WATER STORAGE**
For household water storage, a new alloy has been used, with the capacity to resist corrosion even in the case of the most aggressive water.

- 6 CANOPIES**
Constructed in plastic material with a high percentage of glass fibre, they are more resistant and, also in this case, completely recyclable.

100% RECYCLABLE



100% MADE IN ITALY



Smart.Solar.Box

The excitement of using the sun to heat your life.

It is exciting to think of being able to use the sun as an inexhaustible source of energy and of well-being without ruining the planet, guaranteeing a more healthy and cleaner future for the generations to come, and without spending a cent. With **EGO Smart.Solar.Box**, you experience this excitement from the very first day, from your first hot shower, from the comfort of energy that is your friend. **It's easy to fall in love.**

How does the magic work?

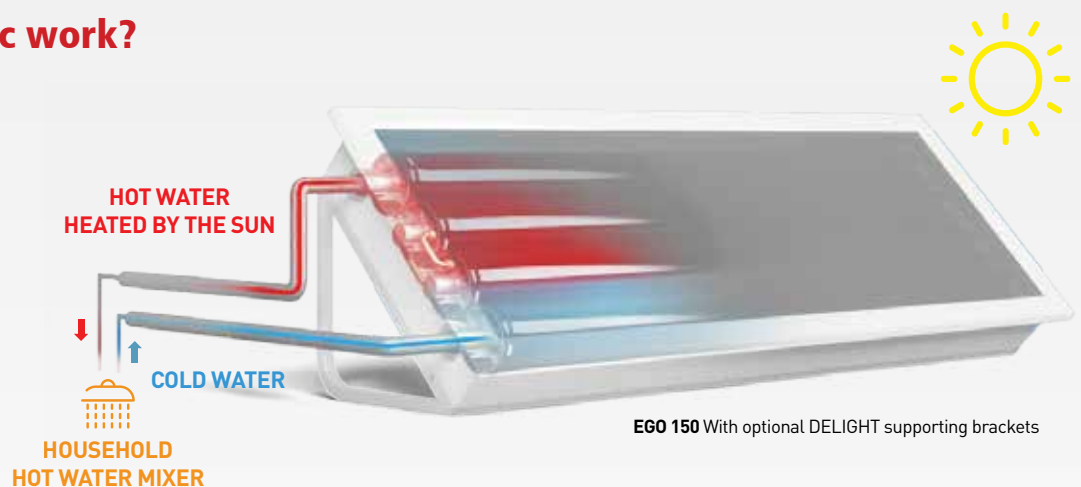
- **HOT WATER THROUGHOUT THE YEAR* ALSO WITH SCARCE SUNSHINE.**

* Even when the temperature is very cold, with optional electrical resistance.

- **READY TO USE SOLAR SYSTEM, ALL IN ONE BOX! INSTALLED IN JUST A FEW MINUTES.**

- **5 YEAR guarantee, providing installation and use conform.**

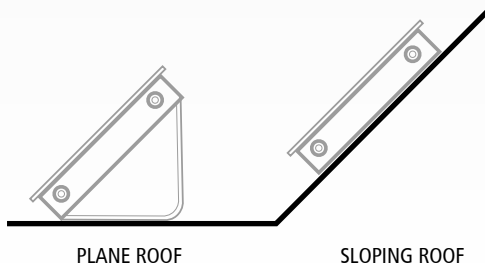
- **RESISTANT TO EVEN THE MOST AGGRESSIVE WATER.**



EGO Smart.Solar.Box is a compact and integrated solar water heater, ALL-IN-ONE: the era of those awful outdoor cylinders is over!

Special steel pipes contain the necessary water (depending on the size you choose) which is quickly heated by the sun and sent into your system.

And that's all, there's nothing simpler. But the exclusive technology used is one of the most advanced, like the materials chosen for the construction components.



INSTALLATION

EGO Smart.Solar.Box adapts to any type of installation, and can be fitted on a sloping roof with the brackets provided or on a flat roof or on the ground. Aesthetically it stands out for the design of its construction elements, and it is also tested to resist even the worst weather conditions.

Look at the table carefully: with a maximum weight of 64 Kg EGO Smart.Solar.Box. is easier to handle during transportation and installation.

EGO Smart.Solar.Box
was developed in collaboration with
the most prestigious research institutes



UNIVERSITY
OF TRENTO - Italy

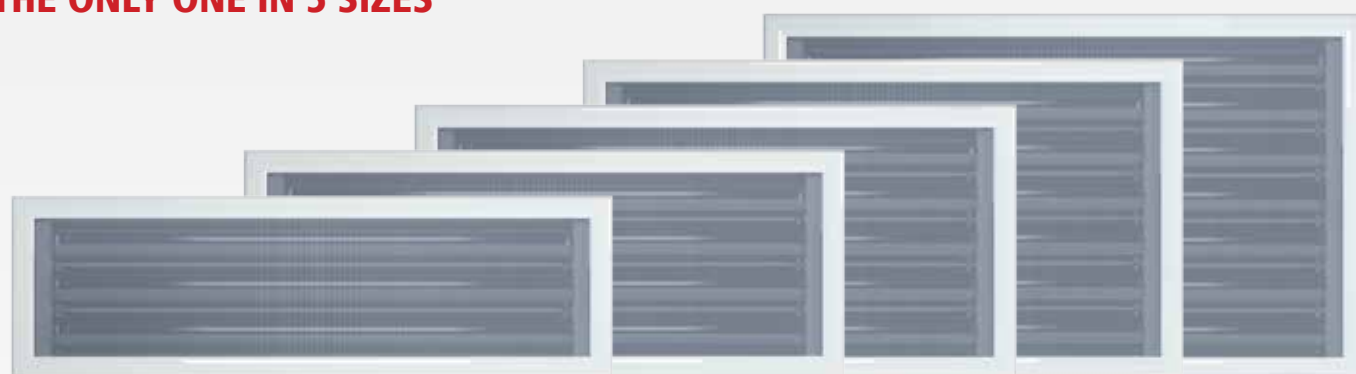


To everyone, his size, the right size for his well-being.

With **EGO Smart.Solar.Box** you can choose from no less than 5 sizes, each designed to perfectly satisfy your well-being and saving requirements. From the versatile 110 litres, the featherweight of the range weighing **36 Kg**, perfect for a myriad of uses, to the powerful 260 litres, for the most demanding needs.

Find the one most suitable for you and for your family's comfort.

THE ONLY ONE IN 5 SIZES



EGO 110
1,52 m² - 105 litri

EGO 150
1,93 m² - 140 litri

EGO 180
2,35 m² - 175 litri

EGO 220
2,77 m² - 210 litri

EGO 260
3,18 m² - 245 litri

	EGO 110	EGO 150	EGO 180	EGO 220	EGO 260
TOTAL area of the collector	1,52 m ²	1,93 m ²	2,35 m ²	2,77 m ²	3,18 m ²
Dimensions L x D x H	2136x711x220	2136x906x220	2136x1101x220	2136x1296x220	2136x1491x220
 1-2	 1-2	 2-3	 3-4	 4-5	 5-6
Weight	36 kg	43 kg	50 kg	57 kg	64 kg
Capacity	105 litres	140 litres	175 litres	210 litres	245 litres
Insulation	Insulation in 25 mm thick POLYESTER Fibre and 30 mm thick rigid PUR sheet				
Plumbing Connections	2 x 3/4" M				
Installation	Flat roof - Sloping roof				
STANDARD COLOUR	 MOON WHITE  RED TILE ROOF				
ON REQUEST	 NIGHT BLACK*  SILVER*  GREEN FOREST*				
Warranty Terms	5 YEARS				

A minimalist design in 5 splendid colours.

EGO Smart.Solar.Box is the first and only system with an interchangeable frame in 5 different colours* to make it even more "yours" and to fit in perfectly with the environmen in which it is installed.

* MOON WHITE and RED TILE ROOF are the STANDARD colours – the other colours are available to order, with minimum quantities and delivery times to be agreed with the customer.

THE ONLY ONE IN 2 COLOURS



ON REQUEST*



NIGHT BLACK*



SILVER*



GREEN FOREST*

With all accessories.

EGO Smart.Solar.Box already includes everything, but it also offers a series of accessories and optionals to augment performance and to customise the design to fit in with your world and your personality.

BASIC SUPPLY	
	BASIC SUPPORTS Galvanised metal brackets for installing the system on flat roof
	Stainless Steel INOX 304 metal brackets for installing the system parallel to the roof
	- Air ventilation valve - Safety valve
OPTIONAL - ON REQUEST	
	DELIGHT SUPPORT The innovative DELIGHT brackets system has a structure with a light and minimalist design, for installing the system on flat roof
OPTIONAL - ON REQUEST	
ELECTRICAL HEATING ELEMENTS RESISTANCES FOR WATER HEATING BACK UP AND/OR ANTIFREEZE PURPOSE	
Recommended for pre-heating the water and/or to protect against freezing.	
	ANTIFREEZE ELECTRICAL RESISTANCE (300 W)
	ELECTRICAL RESISTANCE FOR WATER HEATING (1 o 2 kW)
	Safety group Offers optimal protection against possible excess pressure
	Pressure reducer Limit the inlet pressure thereby reducing the possibility of opening of the valve and therefore of a possible discharge of water. Calibration 3 bar.
	Thermostatic mixing valve Prevents high temperature output to users.

Screws for bracket fixing (both flat and parallel roof) are not included

Making the world a better place, one solar water heater at a time.

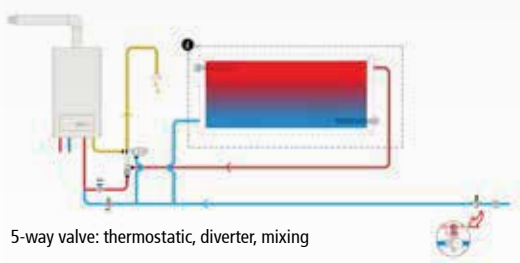
We have created **EGO Smart.Solar.Box** for everyone, we conceived it for those who really believe in renewable energy. Ambassadors of a philosophy that wants to change the world, one roof at a time. We are revolutionaries and we want revolutionary customers, full of ideas and enthusiasm. **EGO Smart.Solar.Box** is the right tool at the right time to revolutionise the way you keep warm. **With applications that have no limits.**



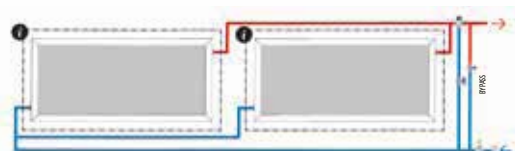
Examples of typical installations

EGO Smart.Solar.Box can be installed in several different ways.

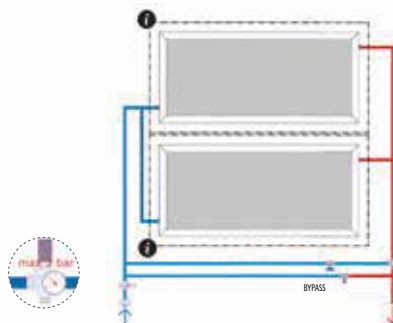
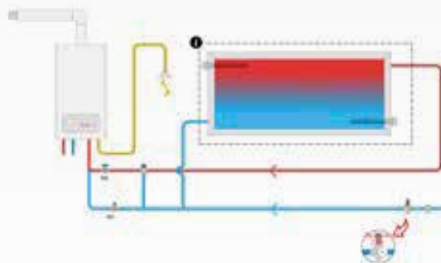
Hydraulic connection with traditional heat generator



Parallel connection of multiple solar water heater



Hydraulic connection with heat generator for solar integration





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