



SOLAR SOLUTIONS

for your home



SOLUTIONS BY IRFTS, FOR THE WHOLE HOUSE



EASY ROOF EVOLUTION
Integrated system for the residential sector



EASY ROOF SOLUTIONS WITH VELUX®
Integrate a roof window within in your project



EASY ROOF INDUSTRIAL
Fully integrated mounting system
(garage, garden shed)



EASY ROOF Boost'R
Hot air heating



EASY ROOF Therm'O Solar
Domestic Hot Water production



IRFTS UMBRA SOLAR
Sun protection



IRFTS SHADOW SOLAR home / garden
Solar shadow



IRFTS SHADOW SOLAR

MAKE MOST OF
YOUR EXTERIOR
LIVING SPACE
ALL YEAR ROUND
**WHILST
PRODUCING
GREEN ENERGY**

Home



Wall mounted or in free standing configuration, the solar shadow by IRFTS creates new opportunities for your garden: pool house, carport, garden canopy or sheltered areas.



The solar shadow can produce green electricity up to 4000 kwp per year thanks to its clever integration of modules. You can choose to either self-consume or re-sell the produced electricity to the grid to supply your appliances or recharge your electric car.

Garden

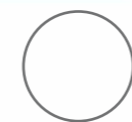
Enhance your living space or add a storage area to your home whilst bringing a new level of comfort thanks to a high level of solar protection.



TECHNICAL
DATAS



Grey
anthracite



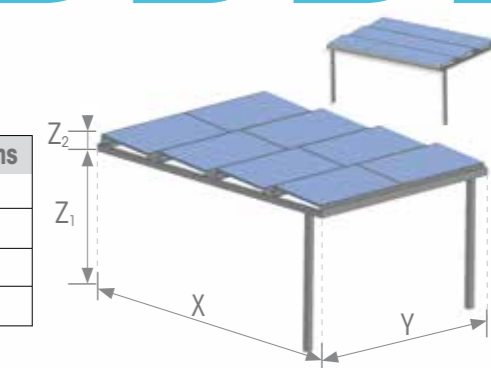
White

- Available in 2 versions : 2 or 4 mounting feet
- Open or shut

• Dimensions :

	2 rows x 2 columns	3 rows x 3 columns	4 rows x 2 columns	4 rows x 3 columns
Power	1.1 KWp*	2.5 KWp*	2.2 KWp*	3.3 KWp*
X	2330 mm	3517 mm	4744 mm	4744 mm
Y	3418 mm	5094 mm	3418 mm	5094 mm
• Z ₁ : Up to 2400 mm • Z ₂ : 275 mm				

* 275 KWp module



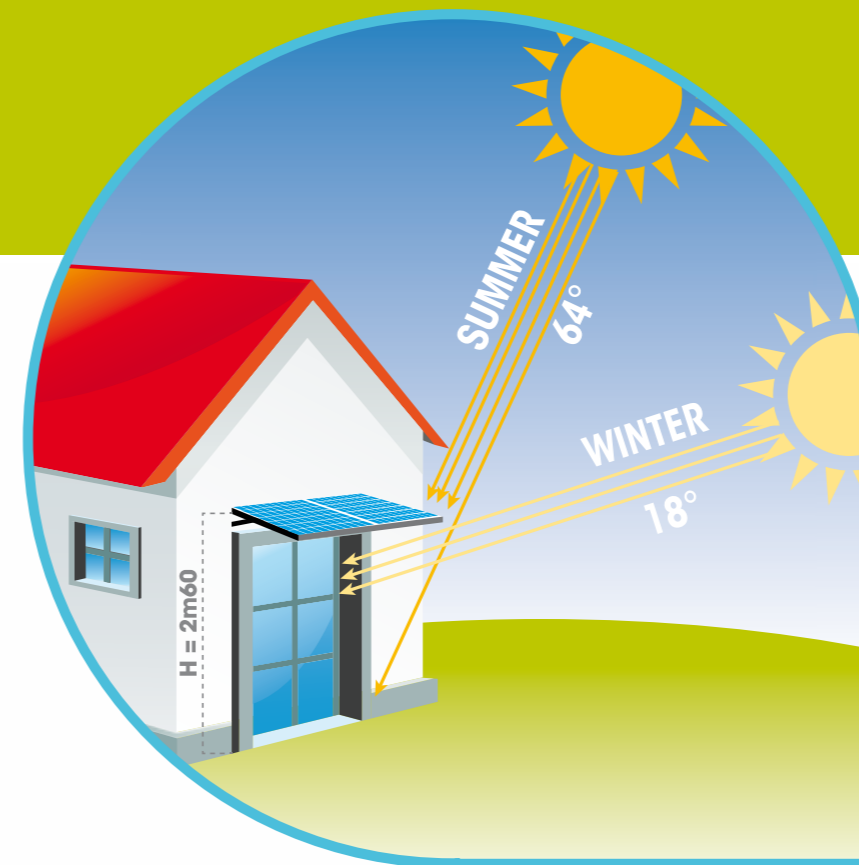


IRFTS UMBRA SOLAR

**PRODUCE
YOUR OWN
ELECTRICITY**
WHILST YOUR
WINDOWS ARE
PROTECTED
FROM RAYS OF
SUNSHINE

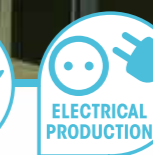
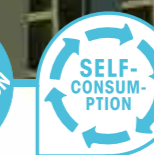
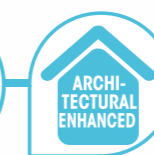
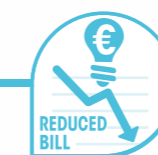


Discover the latest generation of sunshade



**ADJUST
THE LENGTH OF
UMBRA SOLAR
TO YOUR
REQUIREMENTS**

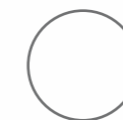
5 degrees tilts angle provides the best input
of sunlight and temperature throughout
the year.



**TECHNICAL
DATAS**



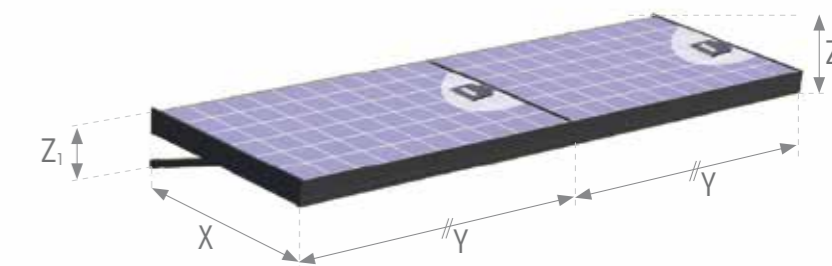
Grey anthracite



White

- Available with or without
back/front cover

- Dimensions :
 - X : 1020 mm
 - Y : 1688 mm
 - Z₁ : 290 mm
 - Z₂ : 210 mm





EASY ROOF EVOLUTION

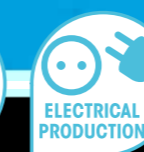
THE MOST RELIABLE AND COMPELLING INTEGRATED MOUNTING SYSTEM ON THE MARKET



Did you know ?

The integrated mounting system is pivotal for your solar installation. The watertightness of your roof is guaranteed by the mounting system itself. It is therefore important to select a reliable system able to withstand the most extreme weather.

More that **40000 installations** around the world



- **An optimised aesthetically pleasant** installation on your roof
- **Compatible for all type of roofs:** high and low profile tiles, flat tiles slates
- **Compatible all products:** Photovoltaics and thermal modules, aérothermics, hybrides

TECHNICAL DATAS



Black



Aluminium



TÜV certified



EASY ROOF INDUSTRIAL



You would rather wish to install the system on your garage roof rather than on your house?

TECHNICAL DATAS

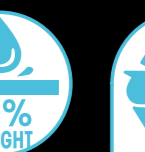
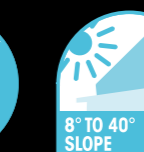


Black



Aluminium

Select EASY ROOF INDUSTRIAL solution





EASY ROOF
Therm'O Solar

USE THE SUN ENERGY TO HEAT UP YOUR WATER

Thermal module for the
Domestic Hot Water, heating
of the house and
the swimming pool

Up to
60%
saving

Reduce your hot water bill thanks to
EASY ROOF Therm'O.

COMPATIBILITY



TECHNICAL
DATAS



Black



How does it work?

Massive
savings
on your
heating bill



EASY ROOF Boost'R

SOLAR ENERGY WARMS YOUR HOME...

EASY ROOF Boost'R system monitors the air flow under your photovoltaic installation to give it back inside your house (1).

Integrated in the middle of an **EASY ROOF EVOLUTION** photovoltaic field, a patented connection kit (2) steers the air flow created by that field to an aerothermic module called **Boost'R** (3).

To maximise the energy-giving yield, a second circuit gets activated to cool the photovoltaic field when it is necessary (4). The **Boost'R** amplifies the generated calories to heat you home up.

In this way, the hot air is instilled inside the house (5) in order to maintain a perfect desired temperature until the central heating kicks early in the evening.

The wireless thermostat inside the house (6) allows to choose the desired temperature.





WORKS WITH
NO
ELECTRICAL
ELEMENT



EASY ROOF Boost'R

AN EFFICIENT HEATING SYSTEM THROUGHOUT THE YEAR

Efficiency regardless of the weather:

	 SUNNY	 FOGGY	 OVERCAST	 CLOUDY
Exterior temperature	11°C	8.4°C	8°C	6.6°C
Temperature at the exit of the Boost'R	48.8°C	32.2°C	25.3°C	17.6°C

The Boost'R impact:



Pilot test, value 12/3/15, 10:30, sunny day

TAKE ADVANTAGES OF THE FREE ENERGY FROM THE SUN TO HEAT YOUR HOME

Did you know?

The ventilation electronically monitored paired up with the collection of the hot air under the modules cools the photovoltaic field down to maximise the energy-giving yield.

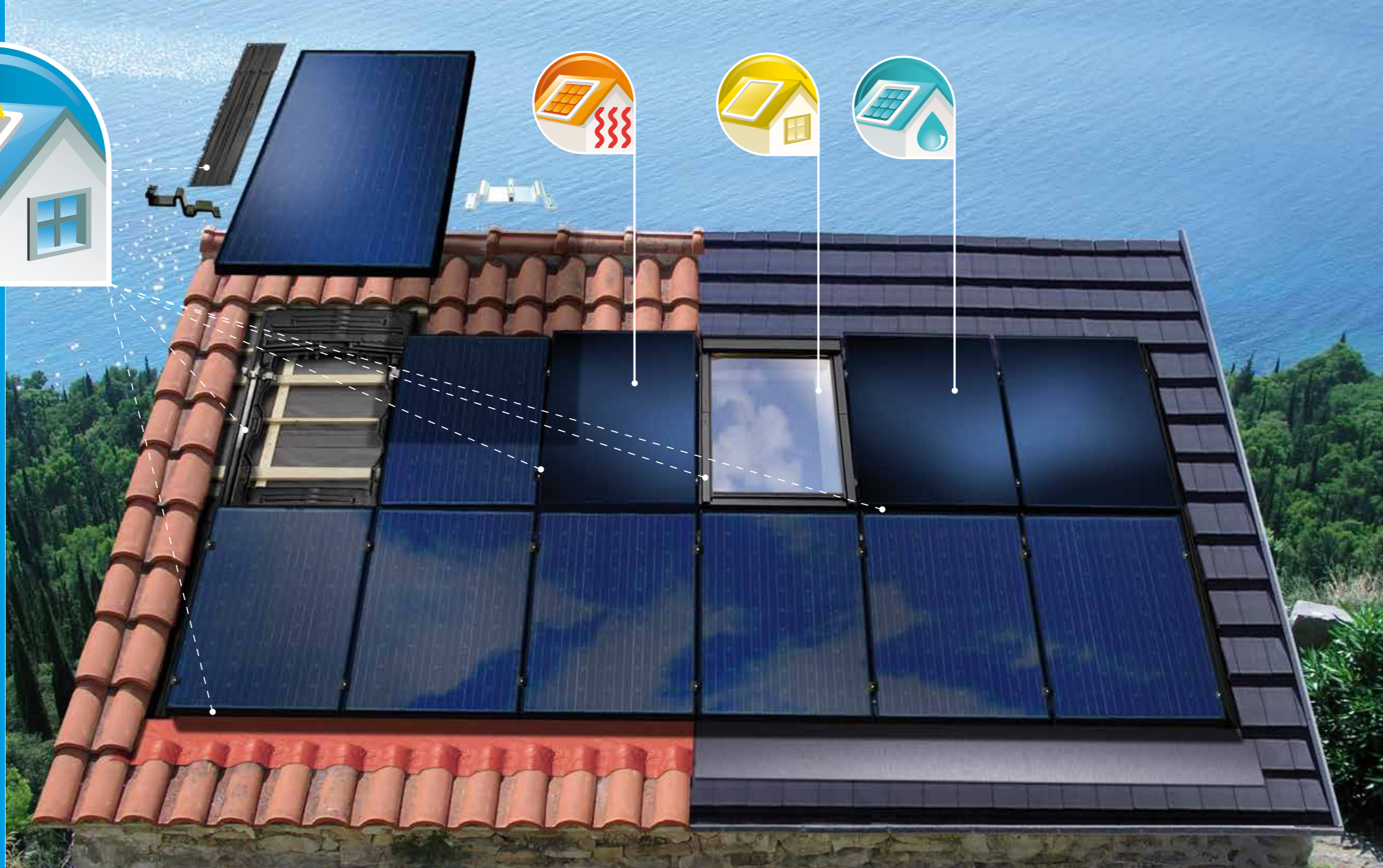
BOOST
your energy
production



COMPATIBILITY



DESIGN
YOURSELF
**YOUR
PREFERRED
« MULTI-ENERGIES »
ROOF**



**1 - Design your roof EASY
ROOF EVOLUTION**

following the requested size of the installation, the available space or any obstacles on the roof (chimney, aerial, roof issues).

2 - Arrange your modules

and your roof window Velux® as you wish.

3 - Generate some green energy.

- **Generate some electricity**
with your photovoltaic panels



- **Heat your home up**
with EASY ROOF Boost'R



- **Produce Domestic Hot Water** with Therm'O



- **Create some extra light in your living space**
with EASY ROOF solution for VELUX®



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Our company's mission is **to find, to invent and finally to manufacture some new accessible innovative solutions and photovoltaics systems:** photovoltaics, thermal and aérothermics solutions.



www.irfts.com

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