



IRFTS
SOLAR SOLUTIONS

SOLAR SOLUTIONS for your home



www.irfts.com

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.

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.



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.

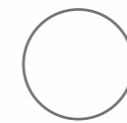
Garden



TECHNICAL DATAS



Grey anthracite



White

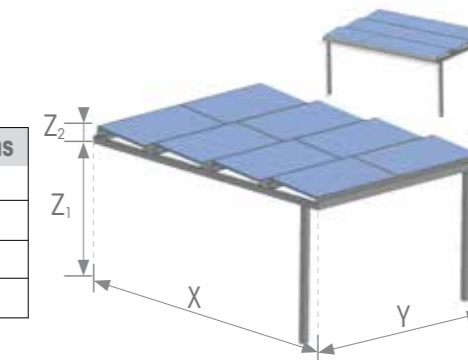
- Available in 2 versions : 2 or 4 mounting feet
- Open or shut

• 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

• Z₁ : Up to 2400 mm • Z₂ : 275 mm

* 275 KWp module



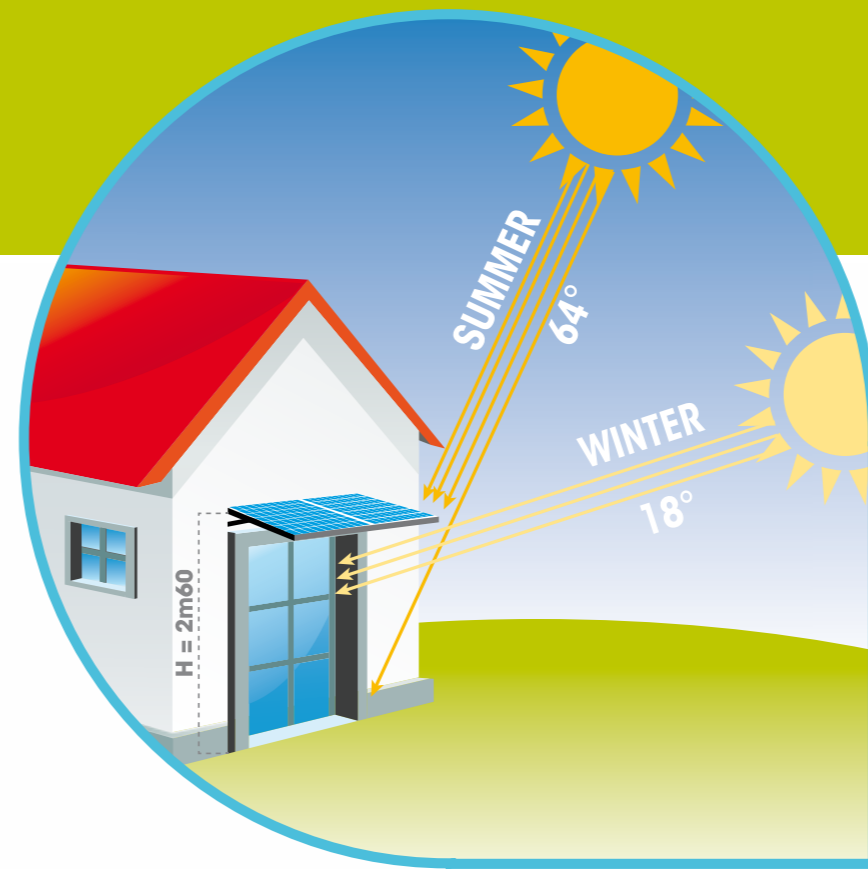


IRFTS UMBRA SOLAR

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

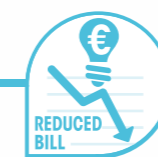


Discover the latest generation of sunshade



ADJUST THE LENGTH OF UMBRA SOLAR TO YOUR REQUIREMENTS

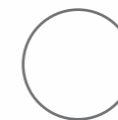
5 degrees tilts angle provides the best input of sunlight and temperature throughout the year.



TECHNICAL DATAS



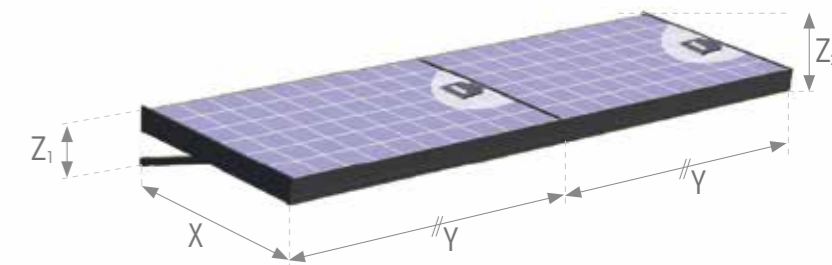
Grey anthracite

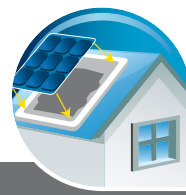


White

• 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 than 40000 installations around the world

- INTEGRATED DESIGN
- 10% TO 50% SLOPE
- COMPATIBLE WITH VELUX®
- PORTRAIT OR LANDSCAPE
- 100% WATERTIGHT
- RECYCLING
- ELECTRICAL PRODUCTION
- MADE IN FRANCE
- 10 YEARS WARRANTY

- 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

COMPATIBILITY

- Boost'R
- Therm'O
- EASY ROOF solution for VELUX®



EASY ROOF INDUSTRIAL



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

Select EASY ROOF INDUSTRIAL solution

TECHNICAL DATAS

- Black
- Aluminium

- INTEGRATED DESIGN
- 8° TO 40° SLOPE
- PORTRAIT OR LANDSCAPE
- 100% WATERTIGHT
- RECYCLING
- ELECTRICAL PRODUCTION



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

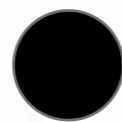
Reduce your hot water bill thanks to EASY ROOF Therm'O.

COMPATIBILITY



EASY ROOF
EVOLUTION

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

BOOST
your energy production

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.

COMPATIBILITY

- INTEGRATION IN ATTIC CONVERSION
- AESTHETICALLY INTEGRATED
- ENERGY GIVING YIELD +10%
- COST EFFECTIVE AND ECOLOGICAL HEATING
- UP TO 40% SAVING ON YOUR HEATING BILL
- EASY ROOF EVOLUTION
- IRFTS SHADOW SOLAR
- Geprüft



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®



IRFTS
 26, rue du 35ème Régiment d'Aviation
 69500 BRON (FRANCE)
 Tel. : + 33 (0)4 78 38 83 10
 Mail : info@irfts.com

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

Your nearest representative

Design graphique : BOULEVARD 13 06 58 89 12 91 • Crédits photos : © Jan Will - fobla.com ©IRFTS



IRFTS is member of:

