



Photovoltaic Solutions

Mounting Systems and Carport Structures





WHY SHOULD YOU CHOOSE OUR COMPANY

Our products have CE Marking and they are totally made in Europe. We have the ISO 9001 quality label. Produced according to the Euro Codes 1, 2 and 3, EN206-1, En 10025-2, EN 1993-1-1: 2005 and EN 1993-

1-8: 2005. We have our own designer production and engineering departments. We project tailored solutions to your needs, ensuring reliability and quality. Our solution are engineered for easy and fast assembly.

Our Vision

Be a globally recognized company by the capacity of innovation and high quality of our products.

Our Mission

Develop mounting systems for photovoltaic instalations with high performance and quality. Creating innovative solutions which attend our customers needs, ensuring reliability and robustness.

Our Value

Quality, inovation, sustainable and technological development, commitment and social responsibility.





Management System ISO 9001:2015

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CARPORT

If you

can

dream it

you can

do it

At Energy Systems, we develop carport structures for any type of project and configuration, with CE Marking and following the Eurocode standard and rules the Carport brings together the use of sunshade product with the capaci-

ty to produce renewable energy; Excelent finishing and many color options; Standard or customized solution; Strengthens the image of sustainability; Extraordinary strength and reliability.

Watertight version Light or heavy vehicles

Electric chargers

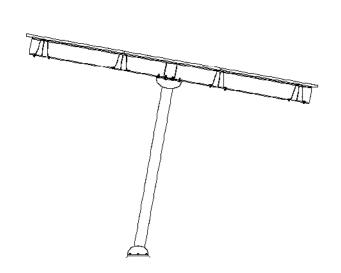
LED Lighting Single carport

Double carport

5 years warranty Robust and safe



SINGLE CARPORT



Support Distance: 5m or 7,5m

Roof: 4.90m

Minimum Height: 2.6m up to 5m

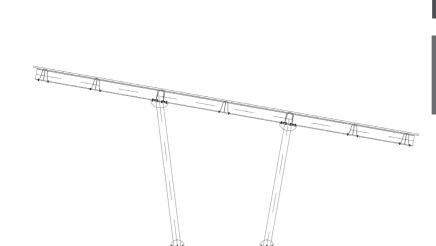
Modules: 3 in the depth

Parking Spots





DOUBLE CARPORT

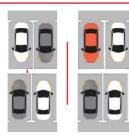


Roof: 9.85m

Modules: 6 in the depth

Support Distance: 5m or 7,5m Minimum Height: 2.6m up to 5m

Parking Spots





Manufacturing warranty: 5 years;

Profile and flat products in steel S275 JR according to the standard En 10025-2;

Metal components according to the standards EN 1993-1-1: 2005 e EN 1993-1-8: 2005;

Anticorrosive treatment made by hot dip galvanisation and 20 years of warranty. Zinc Coating: average 93µm; Additional options of anticorrosive treatment and painting;

The structures were dimensioned according to the applicable standards and regulations, namely the Euro Codes 1, 2 and 3, RSAEEP, REBAP, REAE e a EN206-1;

Steel Purlin 300x2,5

Steel pillars 180 x 100 x 6mm S275JRH

Foundations structured with steel rod **M16**

Steel pipe beams **PRS200X15 250X8 + 100X15mm S275JR**





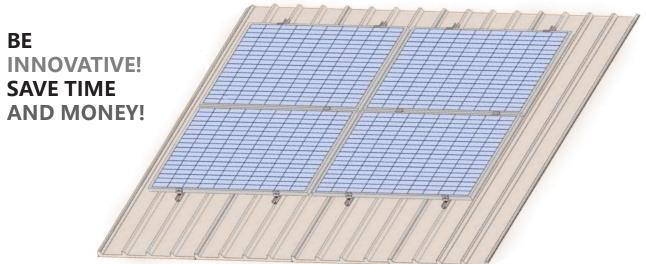


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EASY PLAN 3M



roof against leaks and infiltrations.

The Easy Plan 3M is the best op- It is lighter and stronger than any tion for photovoltaic installation! rail fixed by screws. A tailor-made The assembly is easy and fast. You solution specially designed to install don't need to make any hole to fasten photovoltaic modules and cable trays the mounting system, protecting the on sandwich panel and metal roof.

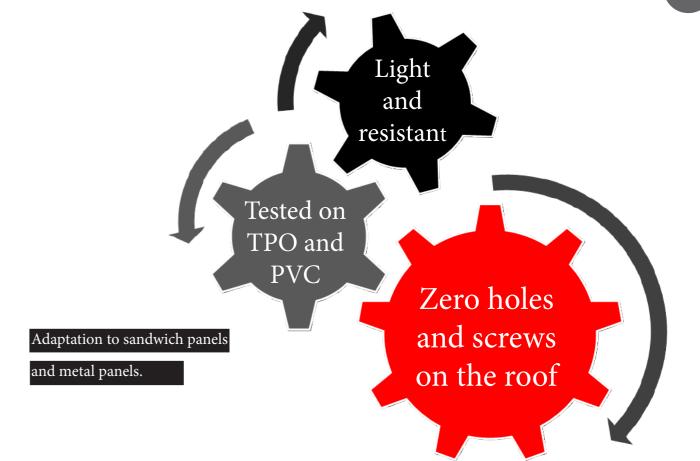


Length: 195mm

Weight system: 0.55g/m² **Maximum** distance: 1,00m







15 years warranty

Save up to 30% time

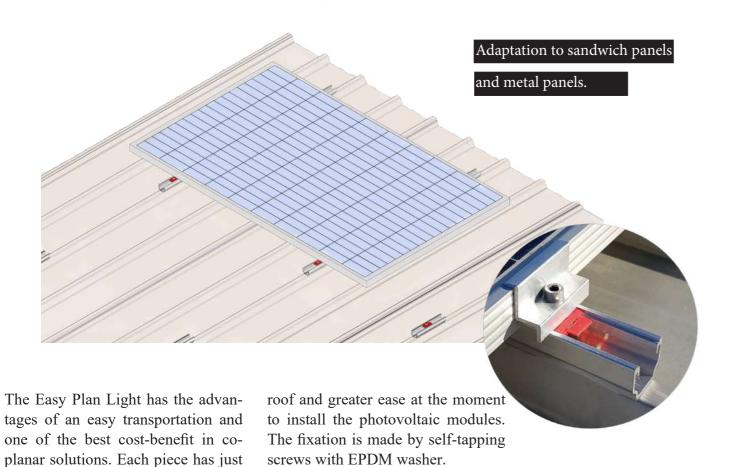
Up to 15% cheaper





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EASY PLAN LIGHT



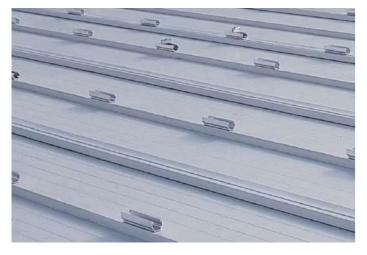
Profie Length: 195mm

195mm, it means less weight on the



Landscape Orientation

Weight system 0,55 Kg/m2





EASY PLAN LIGHT BAR



load: For a maximum height of 9m to 45°.

The Easy Plan Light Bar has a fixa- and in type II exposure in compliance tion made by self-tapping screws. with Eurocode, maximum wind speed Snow load: 1 kN/m2 for locations unaccording to structure calculation. der 1.000 m above the sea level. Wind Roof top inclination for maximum up

Profie Length 4.5m

Maximum distance: 1,00m

Landscape and portrait

Weight system ,38 Kg/m2



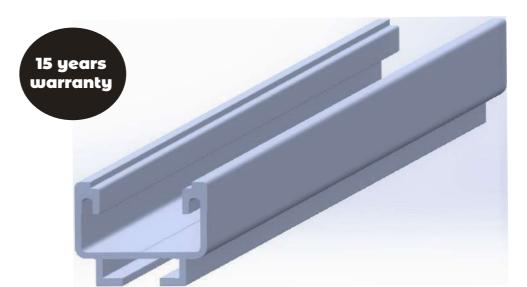


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EASY ROOF



Suport distance: 1.5m

Weight system: 1.55km/m²

Inclination angle: 0° to 35°

The Easy Roof has a wind load for a maximum height of 9m and in type II exposure in compliance with Eurocode, maximum wind speed according to structure calculation, for maximum inclination up to 35°. Snow



load: 1 kN / m2 for locations under 1.000 m above the sea level. Easy assembly structure with no need to drill or cut between every component that holds that same structure.











TRIANGLE

Produced in 4mm alumminium profile. It can be adapted to any situation, with various angle possibilits this type of structure is engineered to buildings up to 22m heigth.

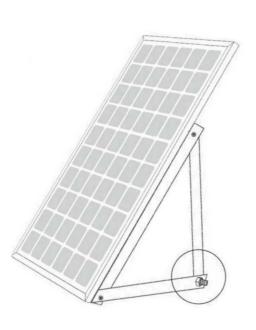








Adaptable to any type roof







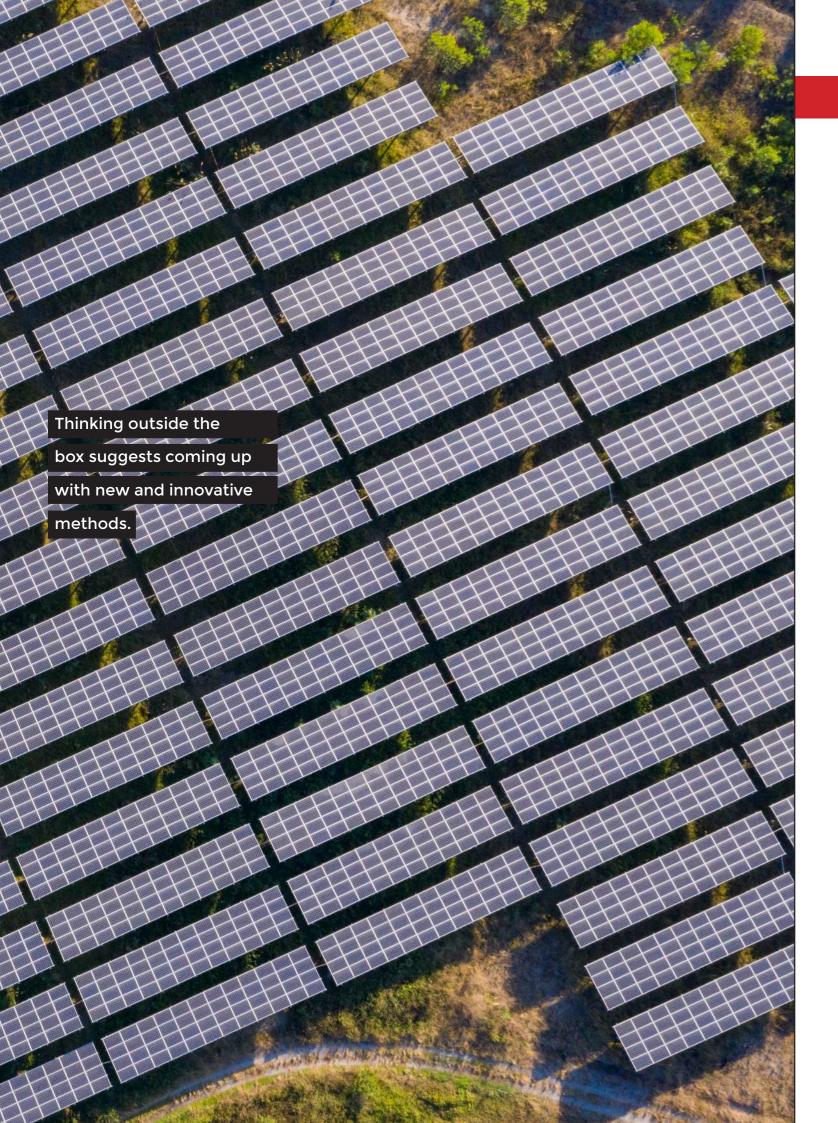




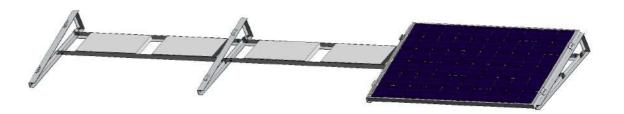
Configuration:

- * Single
- * Double
- * Triple
- * Tailor-made





BALLAST 3M



Science. Applied to Life.™

A special mounting system fixed by bonding, ensuring total protection of the TPO membrane against leaks and infiltrations. Fixation made by bonding with the possibility to add concrete kerbs, according to the project requirements.



Inclination angle: 5° to 15°

Tested TPO/PVC membrane

Fixation: doube sided tape 3m









OTHER SOLUTIONS

GROUND MOUNTING

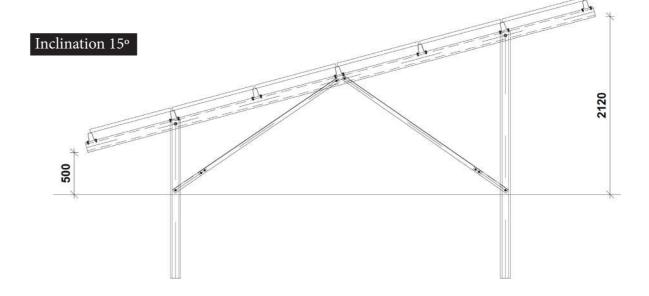




Landscape

2 Rows of modules

> Steel S275JR



Double support



6 Rows of modules

Steel S275JR









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