

FIXED
STRUCTURES
ROBUST &
FLEXIBLE



FIXED STRUCTURES





PRODUCTS & SERVICES

mecasolar has launched an upgraded fixed structure, a robust, flexible and economically effective product that meets the needs of customers.

mecasolar complies with CE, ISO 9001:2008 and ISO 14001:2004 certifications, ensuring excellent manufacturing quality and products that are environmentally friendly as well as economically and socially sustainable.



Current manufacturing facilities:

- SPAIN
- GREECE
- INDIA
- USA
- CANADA

Plus, a logistics team that can get anywhere in the globe.



Fixed structure solutions
ROBUST, VERSATILE
and ECONOMICALLY EFFICIENT

SINGLE-POST SYSTEM: It can carry 2 or 3 modules in portrait or landscape layout, respectively.

TWO-POST SYSTEM: It can carry 3 or 6 modules in portrait or landscape layout, respectively.

mecasolar is strongly committed to serving customers. To fulfil the needs of customers, **mecasolar** offers a range of supplementary services:

- **Structure custom design adjusting to the project's needs** regarding structural loads as well as electrical design.
- **Support and management** regarding construction work, low and medium voltage, and configuration of modules and inverters: our engineering department is ready to help customers at all times.
- We adapt to the project management's requirements, **planning deliveries according to customers' needs** and managing the logistics of the project in a comprehensive, coordinated way.



COMPETITIVE ADVANTAGES

FAST ASSEMBLY AND LITTLE INSTALLATION WORK

The structure contains C-shaped profiles with custom cut length that are easily assembled with screws and bolts. All the parts are lightweight and can be easily handled by the assembly team, which means installation times are short.

LITTLE VOLUME AND LOW SHIPPING COST

Bars take up very little room, reducing shipping costs.

INSTALLATION ON ALL TYPES OF GROUND

mecasolar structures can be installed on profiles directly thrust into the ground. However, in terrains where this cannot be done, the system is set up on concrete

micro-piles, surface concrete footings or **mecascrew** foundation screws.

LONG-TERM DURABILITY

The steel framework, coated with hot-dip or continuous galvanising methods depending on each project's characteristics, complies with the ISO 1461:2009 standard.

Dacromet or stainless steel fastenings are used to assemble the frame.

Drilling holes or cutting components are not done on site, thus avoiding the risk of corrosion.

INSTALLATION VERSATILITY

We carry single-post systems that hold 2 or 3 modules in portrait or landscape layout, respectively, and two-post systems that hold 3 or 6 modules in portrait or landscape layout, respectively. The orientation angle of

mecasolar structures ranges between 0° and 45°.

MODULE FASTENING

Modules are fastened with aluminium clamps. The system designed by **mecasolar** can support all types of modules, as no hole drilling is required.

EXTREMELY RESISTANT TO ANY TYPE OF WEATHER

Our equipment can resist wind and snow loadings in compliance with the local regulations in force.

ALL NECESSARY MATERIAL SUPPLIED

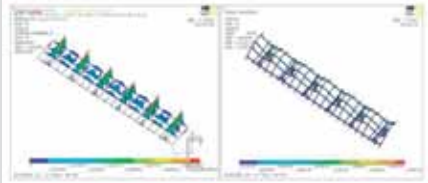
mecasolar designs and retails all the materials for every project, including module fastenings.

EXPERIENCE



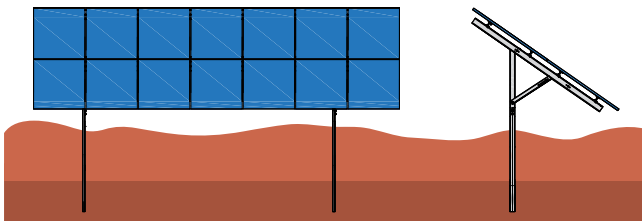
TECHNICAL SPECIFICATIONS

Orientation angle	Determined by the customer (0°- 45°).
Module capacity and structure design	Up to 3 rows portrait layout. Up to 6 rows landscape layout.
Minimum distance to the ground	Variable, as required by the customer.
Maximum difference in ground level	Polygonal adjustment to the ground Difference in ground level supported by foundation ± 20 cm.
Anti-corrosion treatment	Steel treated with hot-dip or continuous galvanising method.
Module assembly	Special aluminium fastenings.
Modules	All types of PV modules.

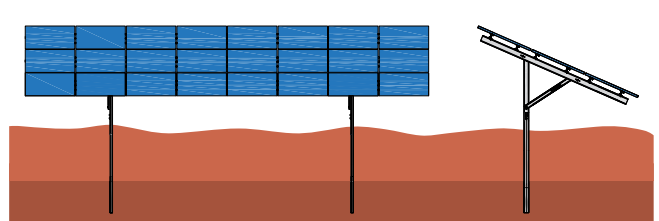
Anchoring system	Concrete footing, flag or pile. Metal screw directly driven or thrust into the ground.
Standards	EC, ASCE, AS NZS, CFE, IS, NCH, SANS.
Loading	Equipments can hold up to 5,000 N/m ² .
Fixed structure is checked by means of special software	

STRUCTURE CONFIGURATION

SINGLE-POST SYSTEM:

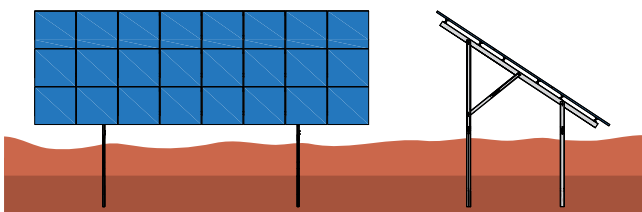


2 modules in portrait layout

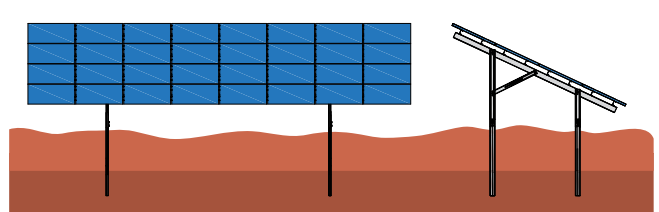


3 modules in landscape layout

TWO-POST SYSTEM:



3 modules in portrait layout



4 to 6 modules in landscape layout



ISO 9001:2008



ISO 14001:2004



OHSAS 18001:2007



HEADQUARTERS

Pol. Ind. Santos Justo y Pastor, s/n,
31510 Fustiñana, Navarra
ESPAÑA

Tfno.: (+34) 902 107 049
(+34) 948 840 993

Fax: (+34) 902 108 402
(+34) 948 840 702

mecasolar@mecasolar.com

GRECIA

Αχιλλέα Σαμοθράκη 27,
Θεσσαλονίκη,
TK 54248

Ελλάδα
Τfno.: (+30) 2310 799 209

Fax: (+30) 2310 570 597
hellas@mecasolar.com

INDIA

2-22 Evergreen Industrial Estate,
Shakti Mill Lane,
Mahalaxmi,
Mumbai -400011

INDIA
Τfno.: (+91) 022 - 4004 2286
india@mecasolar.com

USA - CANADA

3410 Industrial BLVD, Suite 102
West Sacramento, 95691 CA
USA

Tfno.: (+1) 916 374 8722
Fax: (+1) 916 374 8063

usa@mecasolar.com
canada@mecasolar.com