



BALLASTED STRUCTURE

FIXED INSTALLATIONS ON THE GROUND

Concrete

Material composed by the efficient union of mass concrete and steel. This union allows making foundations of all kinds, adapted to the most varied solutions and very competitive with other materials.

Ballasted System



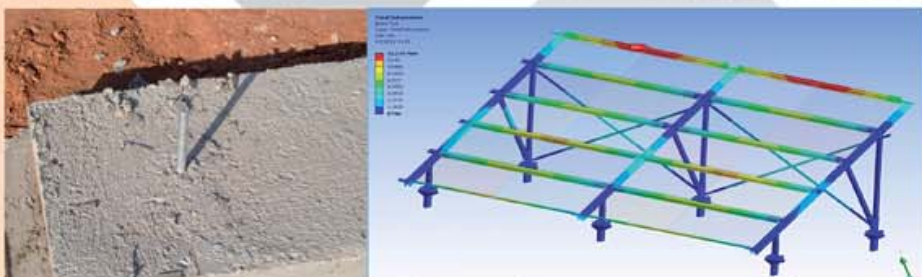
Structural Safety

Robust and compact. Based on a geotechnical study of every project. Verified by load and pressure tests applied to a percentage of piles. The set is capable of supporting winds higher than 150 km/h.

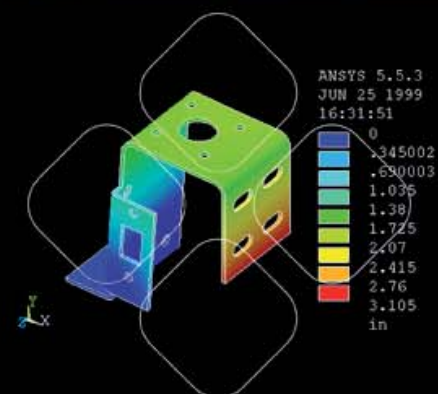


The Enersol's ballasted structure is the best solution for the execution of the foundations in slightly cohesive terrain, due to the low connection between its particles, it is necessary a bigger support that distributes the loads.

The method is simple, the distribution of the foundation is planned and it is used concrete prefabricated units or concrete in situ, depending on the characteristics of the terrain.

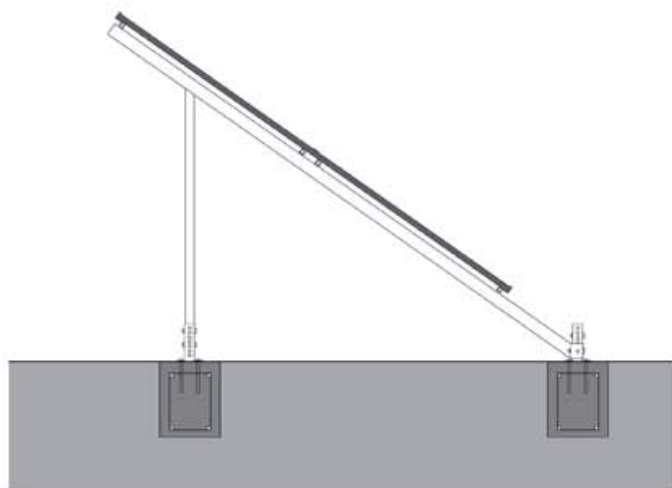


In the foundation a threaded bar is placed in the concrete like a start rebar; in which the structure of the photovoltaic modules is assembled, by means of a "multipoint system", which allows to regulate evenness and differences in three directions (x, y, z).



Enersol offers 10 years of Product Warranty

Ballasted System



The fixation of the panels to the metallic shapes and the laying of the electrical cabling are carried out in a rapid, simple and economic way, so the aluminum shapes come with some holes for the fixation of the screws and it is possible to make this in any point of the metallic shape. In addition the top metallic shape where the panel lies, possesses a place where to put the electrical cabling, which reduces the time of the laying the electrical cabling.



TECHNICAL CHARACTERISTICS

Dimensions (mm)	1580x880	1310x990	1540x990
Configuration V	2-3		2-3
Configuration H	4-6		4-6
Concrete	HA-20 / B / 20 / IIa		
Concrete Density	2.200 Kg/m ³		
Foundation System	Buried or leaning (Prefabricated)		
Allowable unevenness	20 %		
Max. Wind Load	180 Km/h		

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Material

High quality material, demanding to every element some performances according to its function, so the foundation is made of reinforced concrete, the metallic shapes are made of extruded aluminum and the joints and the screws are made of stainless steel.



Supply and Performances

- Geotechnical study
- Calculation of the Installation *
- Trench opening*
- Placement of the ballast*
- Supply in the place
- Assembly of the structure
- Assembly of the panels.
- Electrical cabling.
- Connection

* Items to be made by Enersol.

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