

IKARO-Z

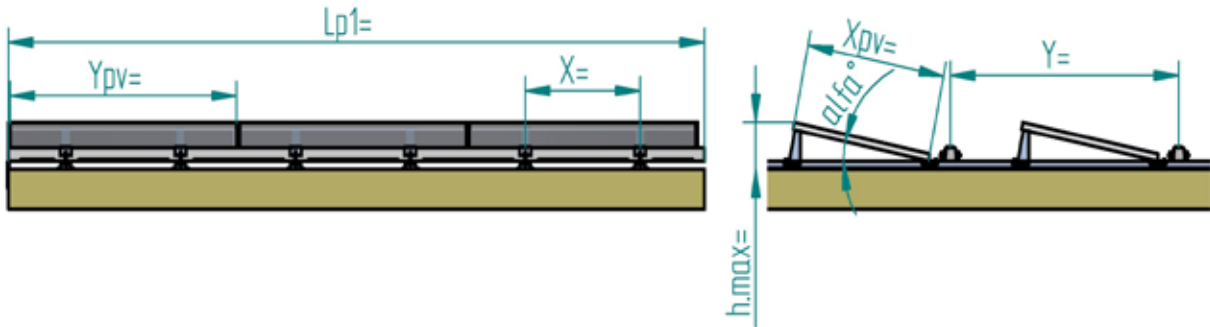
Modular support structure for photovoltaic systems on flat roofs

1 MODULE IN VERTICAL ARRANGEMENT

3 MODULES IN HORIZONTAL ARRANGEMENT

HMIN max: 50 mm

HMAX min: 300 mm (According to GSE regulations)




MAIN CONFIGURATIONS FOR IKARO-Z

IKARO Z	Rows	Columns	Alfa	Xpv	Ypv	X	Y	Lp1	H.min	H.max	Modules
Layout	Nr.	Nr.	°	mm	mm	mm	mm	mm	mm	mm	No.
Horizontal	1	3	12	990	1650	825	1650	5000	50	300	3




COMPRISING PARTS

CROSS-MEMBER




The cross-members are made from profiled stress-resistant steel belts. The profile contains a continuous groove for fastening the modules and a continuous place for cross-member attachment in order to provide maximum flexibility in mounting. The choice of the “omega” open profile is aimed at optimizing load distribution, to avoid the stagnation of rain water and provide support for the passage of the cable sheaths. To solve the problem of oxidation and galvanic corrosion of rails in contact with the photovoltaic panels, the steel surface is protected through the innovative Teknocover coating.

FRONT SUPPORT BRACKET




It is made of stainless steel and is designed to optimize the assembly time and to ensure the support and the engagement of the pvc modules using their structural framework. The bracket is adjusted and fixed on the cross-member by a screw and a particular plate which allows the insertion from above in any position ensuring at the same time the anti-rotation necessary for the fixing.

BACK SUPPORT BRACKET



It presents the same characteristics of the front bracket, with the only difference that it has the further advantage of ensuring the maximum possible inclination. Moreover, this bracket is both support element and locking element of the panels.

BASE



The prestressed reinforced concrete piles of 5 meters are specially hooked to the cross-members to form a support matrix, with the advantage of allowing the uniform load distribution, guaranteeing the whole system stability even in presence of strong winds.

20 YEARS WARRANTY - CERTIFICATION EUROCODICE 1 DISPOSAL OF THE ENTIRE STRUCTURE AT END-OF-LIFE

- ◆ **NO ANCHOR:** the base is placed directly on the roof.
- ◆ **RELIABILITY** in the event of **OVERLOAD** and **STRESS** in extreme weather conditions, thanks to its engineering properties of **KONCRETO** concrete poles.
- ◆ **VERSABILITY** of the system due to the modularity and possibility of adjustment of each component;
- ◆ **NO MAINTENANCE:** **KONCRETO** poles are not subject to corrosion over time and the cross-members, thanks to the protection **teknocover**, do not oxidize in contact with photovoltaic panels.