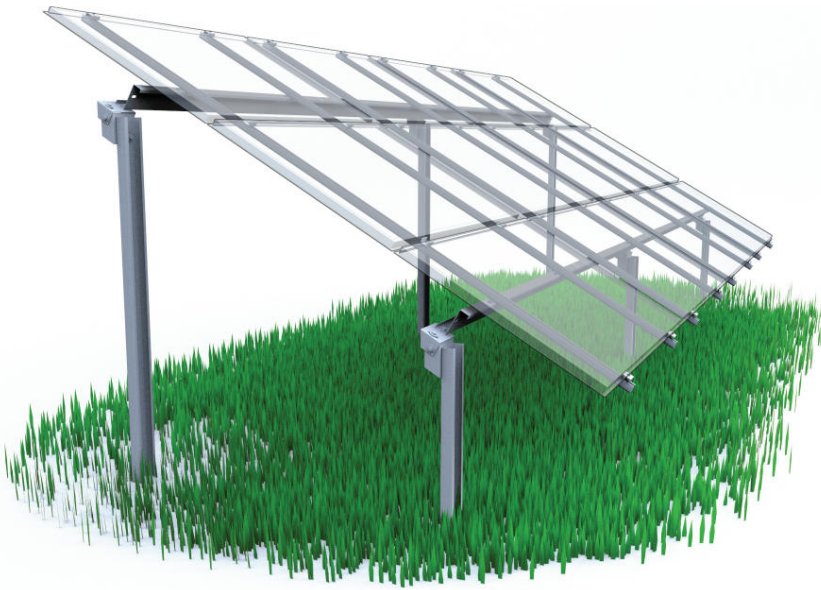


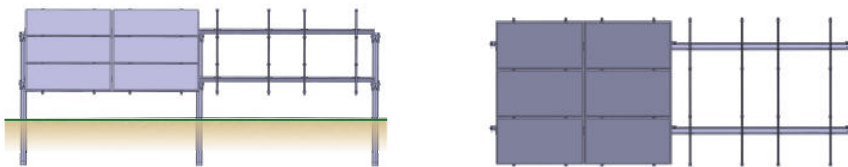
ExtruSun Ground Series ES



Construction advantages

- No excavation works needed.
- No concrete footing needed.
- Adaptable to all types of soil (undulating soils, etc).
- No cable fastening elements (tray integrated system) needed.
- Easy and quick to mount.
- Square made anchorage system (optional, according to the project).
- Adaptable to any kind of panel.
- Modules placed in a horizontal or vertical position.
- Clear height according to the needs of the client/project.
- Adaptable to any possible modification in building work *
- Extendable according to the conditions of the project.
- Material under warranty of 5 years (extendable according to the client's needs)

*(Previous consultation with ExtruSun Engineering)



| | |
|------|--|
| Vind | Qe=2,6 KN/m ² (more unfavourable peninsular wind zone). |
| S | 1,3 kN/m ² (130 Kg/m ²), topographical locations located between 0 and 1,000 high safety factor for more unfavourable zones within the country. |

Structure fixed in the ground.

Materials: Galvanized steel, Aluminium and stainless steel A2 hardware.

Cable tray system integrated in the structure.

Galvanic breakage system.

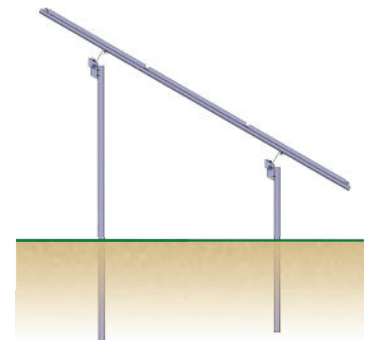
Panels are anchored with clips (fitted according to the thickness of the panel).

Height and inclination limit.

Possibility of working with foundation (specific stone).

Design based on the module and the panel layout, a solution for each project.

In compliance with CTE (EUROCODE) regulations 130 KN/m² snow and 130km/h wind.



| COMPONENTS OF STEEL | |
|------------------------------|--|
| Structural straps/belts | Cold rolled steel |
| Coating | Galvanized |
| Quality of the galvanization | S-250 GD according to EN 10326:2007 of the steel |
| Galvanized profiles | Norm EN 10162 |
| Coating/panelling | Z275 (±20μ) can be modified according to the project. |
| Finish | (MA) minimum star or without stars. Usual finish. |
| Chemical treatment | E-Passivation. |
| Lubrication | Lubrication |
| Tolerance norm | Tolerances s/EN 10143/2006 Normal tolerances. |
| Elasticity | Limit 250N/mm ² (2500 kg/cm ²). |
| COMPONENTS OF ALUMINIUM | |
| Profile types | Extruded aluminium first fusion. Alloy 6063-T5 |
| Density of aluminium | 2,35 gr/cm ³ |

