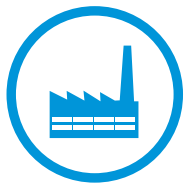


PHOTOVOLTAIC FIXED STRUCTURE: SINGLE-POST AND DOUBLE-POST

Our solution



WE ADAPT TO CUSTOMER NEEDS

- Fixed - tilt racking solutions according to customers specifications and standards that apply in each country
- Most advanced engineering calculation and simulation
- Software approved by aerospace and automotive industry quality standards



LAND ADAPTABILITY



OWN PRODUCTION CENTER

- High-volume manufacturing facility in Spain with highly qualified and experienced staff
- Several product centers spread around the world
- High-end CNC machinery
- Integrated Quality Management System - ISO 9001
- Environmental Management System - ISO 14001



WIND TUNNEL TEST

Main characteristics that define Trina Solar fixed structures:

- Adaptable to complex and difficult terrain
- Flexible configuration of photovoltaic modules (optimum use of the available surface)
- Reduced weight: tailor-made profiles (galvanized steel or aluminum) in accordance with project requirements
- Analysis of topographical contours
- Foundation design services
- Delivery of the entire structure, including assembly parts
- Excellent delivery time frames
- Advantages in relation to assembly: quick and simple assembly, no need for welding

PHOTOVOLTAIC FIXED STRUCTURE: SINGLE-POST AND DOUBLE-POST



Single-post fixed structure



Double-post fixed structure

TECHNICAL SPECIFICATIONS

GENERAL CHARACTERISTICS

Solar fixed structure	Single-post / Double-post
Module orientation	Landscape / Portrait
Modules surface per fixed structure	Custom configuration is available
Foundation options (solution according to geotechnical report)	Direct ramming / Pre-drilling + ramming / Concrete micro-piling/ Screw-pile / Pre - drilling + compacting + ramming
Terrain adaptation	Up to 20% grade**
Structure	HDG high strength steel S275, S355 or ZM310 steel. ISO 1461.
Hardware / Treatment	8.8 class/ ZnNi + seal*
Solar panels fixation	Aluminum - Direct fixing of the panel to the beam (by rivet or standard bolts)
Allowable wind and snow loads	Tailored to site requirements
Standards & regulation	Structural calculation according to Eurocodigo and USA standards
Installation	Easy installation. All joints bolted (no welding required)

MAINTENANCE

Schedule maintenance	Minimum maintenance (check hardware torque and galvanized coating)
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STANDARD WARRANTY (*)

Structure	10 years
Corrosion protection	20 years according to ISO 14713 C3

* Other options also available, ** According to conditions

