



Solar Steel

By **Gonvarri**
Steel Services



RackSmart

By Solar Steel

- Systems for every module type and configuration.
- Optimal structural dimensioning for every project: structural calculation, foundation designs, layouts, corrosion study.
- **Adaptable** to large slopes.
- Shorten mounting times.
- More than **2 GW** installed.

RackSmart

Mechanical & Structural Specifications / General Features

Name/Model	Racksmart
Product Type	Fix tilt structure
Module Configuration	Landscape or portrait Typical configuration: 2 portrait, 4 landscape, 6 landscape
Supported Modules	Crystalline (60 & 72 cells), First Solar, Byglass, Solar Frontier, Thin Film
General dimensions	According string configuration
Materials	NDG steel & Magnelis® (or similar)
Fasteners	HDG 8.8 quality & Stainless Steel A2
Maximum Ground Slope	Up to 30% North-South Up to 30% East-West
Module Attachment method	Bolts or clamps with integrated grounding Thin Film / Bolt & Clamp
Standard Warranty	10 years structure

Design Specifications

Wind Load	According EUROCODE, ASCE07 or Local Standards
Snow Load	According EUROCODE, ASCE07 or Local Standards
Seismic Load	According EUROCODE, ASCE07 or Local Standards
Maximum wind speed	According EUROCODE, ASCE07 or Local Standards
Structural optimization	Wind Tunnel & CFD
PE Stamp	According to Local Rules
Other Codes	CE Certified / UL listed

Installation & Maintenance

Connections	Bolted connections without welding
Installation Tools	Standard tools; no special tools
Installation Height	All installation from the ground level, including modules
Module fixing	Bolts or clamps
On-site Fabrication works	No
Foundation system	Driven piles, concrete foundation or ground screw depending on geotechnical characteristics
Installation documentation	Assembly Drawings & Installation manual
Additional Services	On-site Training & Commissioning
Maintenance	Reduced maintenance & module cleaning
PV module cleaning	Compatible with cleaning robots

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