



# 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

### GSS Arizona

11040 N. Solar Canyon Way  
Surprise, AZ 85379 USA  
Tel.: +1 623 476 2248  
Fax.: +1 623 476 5849

### Gonvarri MS Baja California, S.A. de C.V.

Corredor Tijuana Rosarito 2000 #15102 MT4B  
Zona Cerril General, La Presa  
Tijuana, B.C., México, C.P. 22330

### Çepas Gonvarri Group

175. Sokak No: 2 - 2/A (Istanbul yolu 25.KM.)  
Saray Mahallesi KAZAN/ANKARA/TÜRKIYE  
Tel.: +90 312 815 47 23  
Fax: +90 312 815 47 27  
[www.cepas.com.tr](http://www.cepas.com.tr)

### Gonvarri Colombia

Calle 86 N° 45-90, Itagüí, Antioquia - Colombia  
Tel.: 574 444 50 11 Ext 127  
[www.industriasceno.com](http://www.industriasceno.com)

### Hiaso

Polígono industrial de Cancienes  
33470 Corvera, Asturias - España  
Tel.: 34 98 512 82 00  
Fax: 34 98 550 53 60  
[www.hiaso.es](http://www.hiaso.es)

### SOLAR STEEL HEADQUARTERS

San Vicente, 8  
48001 Bilbao - Spain  
Phone: +34 944 23 31 37  
[info@gsolarsteel.com](mailto:info@gsolarsteel.com)

[www.gonvarristeelsteel.com](http://www.gonvarristeelsteel.com)  
[www.gsolarsteel.com](http://www.gsolarsteel.com)

