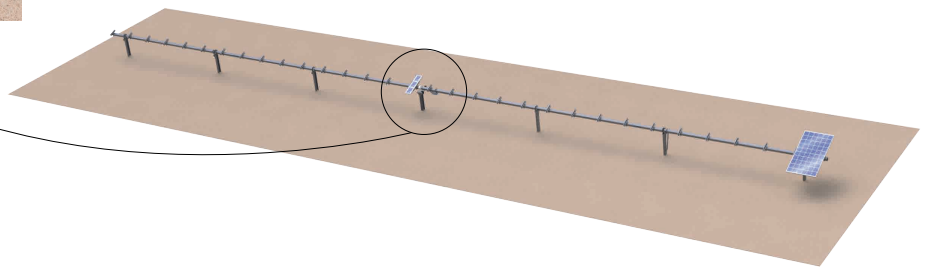
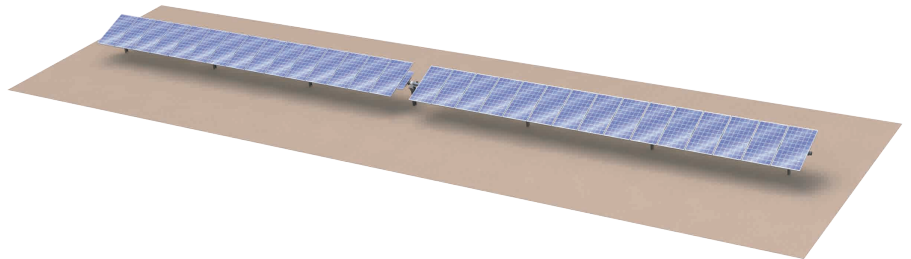
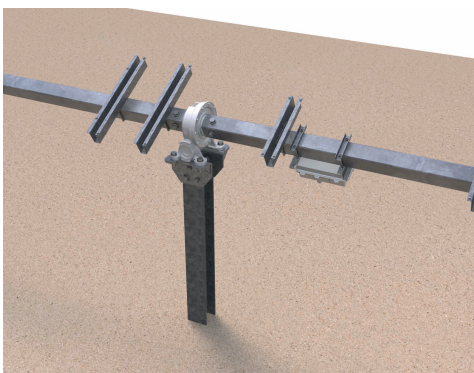


PRG 1100 Single Row Tracker

TYPE OF SOLAR TRACKER	SINGLE-AXIS HORIZONTAL SINGLE-ROW SOLAR TRACKER
Inclination range	Up to $\pm 60^\circ$ (Standard + 55°)
Foundation options	Direct driving/Pre-drilling + ramming/Micropiling
Adaptation to N-S terrain	$\pm 15\%$
Adaptation to E-W terrain	Unlimited
Standards and regulation	Calculation, design and manufacturing according to Eurocode standards
Structural materials	High strength steels S275, S355 and S350
Type of protection	Magnelis and Galvanised steel (according to the corrosion of the area)
Screws	Grade 8.8 (or higher) / AISI 304
Fixing modules	Screws (rivets optional)
Wind tunnel study	Static and aerolastic
Tracker length	Max. 80m approx.



Video Montage



High flexibility



The tracker is tailored to the customer's needs.

High adaptability



The configuration of the tracker facilitates the absorption of steep slopes and maximises the use of the available surface area.

Easy assembly



The tracker is designed with a tolerance for easy assembly.

Minimal maintenance



The design and manufacture of the components are geared towards low-maintenance.



Structural Solutions Solar Tracker

PRG 1100 Single Row Tracker

GUARANTEES

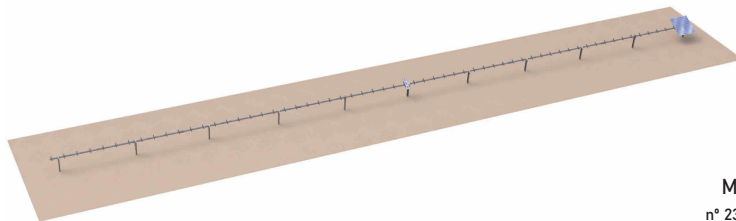
Anti-corrosion	25 years
Structural warranty	10 years
Battery	2 years (extendable on request)
Motor	5 years
Rotator module	10 years



TOLERANCES

TOLERANCES AFTER INSTALLATION

- Foundation tolerance N-S: $\pm 20\text{mm}$
- Foundation tolerance E-W: $\pm 10\text{mm}$
- Vertical foundation: $\pm 20\text{mm}$
- Foundation inclination tolerance: $\pm 1^\circ$ (N-S), $\pm 0,5^\circ$ (E-W)
- Ground inclination: 15%



Marcado CE
n° 2375/CPR/21/1014



100% Recyclable

STANDARD CODES	STANDARD TITLES
EN 1990	Eurocode: Basis of structural design
EN 1991-1	Eurocode 1: Actions on structures.
EN 1993-1	Eurocode 3: Design of steel structures.
EN 1997	Eurocode 7: Geotechnical design.
EN 1998	Eurocode 8: Design of structures for earthquake resistance.
EN 1999-1	Eurocode 9: Design of aluminum structures.
EN ISO 14713-1	Zinc coatings- Guidelines and recommendations for the protection against corrosion of iron and steel in structures- Part 1: General principles of design and corrosion resistance
UL 2703	Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
UL 3703	Standard for Solar Trackers
IEC 62727	Photovoltaic systems- Specification for solar trackers
IEC 62817	Photovoltaic systems- Design qualification of solar trackers
ISO 13849	Safety of machinery- Safety related parts of control systems



ISO 24000



ISO 27001



ISO 14001



ISO 9001

✉ mfrenovables@mfrenovables.com

☎ 924 290 111

🌐 www.mfrenovables.com

📍 C/ Pedregales, nº16 | 06400 - Don Benito (Badajoz)

