braux
energy group

SOLAR TRACKER BRAUX®

BRAUX® **designs and manufactures custom solar trackers** according to the needs of each client and project using the local regulations of each country.

BRAUX® single-axis horizontal trackers offer great **durability, simplicity, and adaptability** to the terrain to achieve maximum project efficiency and profitability.

BRAUX® has over **20 years of experience** in the photovoltaic sector, reaching **3 GW** of installed capacity worldwide and guaranteeing the highest **quality and reliability** in all its equipment.

- Adaptable slewing bearing and easy assembly
- Suitable for bifacial modules
- Intelligent movement management based on wind and snow
- Optimization of the occupied surface with several closure configurations on plots with irregular edges

Minimum maintenance

- Minimal maintenance due to the robustness and simplicity of the system
- Resistant to hostile environments

Minimum instalation time

- Simplicity of assembly
- Reduced number of components
- No welding on-site

Adaptation to the ground

- High slope adaptability
- Reduction in civil works
- Maximum surface utilization
- High adaptability to non-regular layouts

Smart operation

- Astronomical sun tracking
- Backtracking algorithm
- Adaptable to various communication protocols
- Self-powered drive possible

Certifications

CE

- ISO 9001 Quality Management Systems
- IEC 62817
- UNE EN 1090 CE Marking for Metallic Structures
- Bankable equipment, DUE DILIGENCE BANCABILITY

SPECIFICATIONS BRAUX SOLAR TRACKER

GENERAL FEATURES

Typology:	Single-axis 1V (Portrait) Tracker N-S
Tracking range:	±60º
Ground slope:	Up to 15%. Other values under study
Type of foundation:	Direct Ramming / Predrilling + Ramming / Micropile / Footing / Slab
Photovoltaic modules:	Adaptable to all modules on the market: monoperc, dual glass, bifacial
Structural calculation:	According to local regulations Wind Tunnel Studies DAF (Dynamic Amplification Factors) Aeroelastic Effects Standard resistance of 150 km/hr (higher values under study)

ELECTRICAL FEATURES

Electrical grouping:	Adaptable to the required string length
Motor:	150W - 300W
Consumption:	Self-powered / Mains powered
Control Algorithm:	Programmed microcontroller with astronomical calculation
Shadow Management:	Custom backtracking algorithm that prevents shadows and maximizes production
Communication:	Wireless: zigbee mesh network Wired: TCP/IP SCADA system Quick and easy integration into external SCADA systems

SAFETY

Intelligent Wind Management:	Standard safety position at 0º with winds above 55 km/hr (configurable per project).

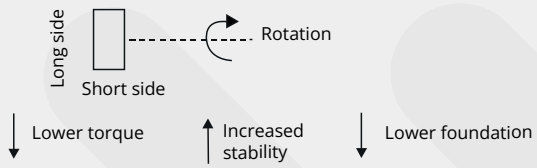
GUARANTEE

Corrosion:	Up to 25 years according to ISO1461 standard (extendable according to area and environment)
Components:	Up to 5 years back to back (extendable)

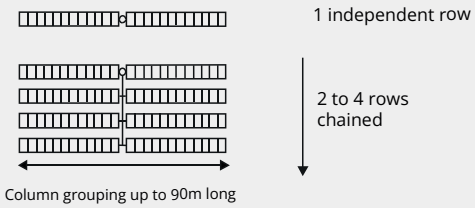
CONFIGURATIONS BRAUX SOLAR TRACKER

PANEL LAYOUT

1 V Configuration (1 PORTRAIT)



NUMBER OF ROWS AND COLUMNS



(+34) 983 188 475
comercial@braux.es
www.braux.es

Central Office
Av. García Barbón nº 30 1º Drcha 36201 Vigo – Pontevedra
Commercial Office
Paseo Arco de Ladrillo nº 88 1º Of.32 47008 Valladolid
Factory
Arbo Business Park, Plot 7, Units 1 and 2, 36436 Arbo, Pontevedra

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