



**TRB ASTURMADI RENEERGY Tracker** is a block tracker consisting of a set of Horizontal alignments connected to each other by a central axis. This kind of tracker is the most suitable to be installed on gentle slopes as its assembly process involves a very small number of control, communication and drive systems per MW installed. It reduces cost and makes it easier to operate and maintain.

### DESIGN



- ✓ ASTURMADI RENEERGY technical team has more than 10 years of experience in photovoltaic sector and more than 1,2 GW of projects executed.
- ✓ Participation in projects in more than 20 countries.

### MANUFACTURING



- ✓ Cold formed profiles are manufactured according to UNE-EN 10162.
- ✓ Different steel qualities are selected, depending on the requirements of the project.
- ✓ Coating treatment is applied to guarantee the structure durability (HDG, Posmac, Magnelis, Magicinc or similar).

### ASSEMBLY



- ✓ This tracker system can be adapted to different possible foundations (Driven Pillars, Concrete Foundation, etc)
- ✓ Easy assembly process.
- ✓ All joints are bolted, neither cuts nor welds are needed in construction.

### MAINTENANCE



- ✓ Minimum maintenance.
- ✓ Easy accessibility to all installed solar modules.
- ✓ As there are no gaps between solar modules, the cleaning process can be robotized.

### QUALITY



- ✓ Metal structure manufactured according to European Standard UNE-EN 1090.
- ✓ Hot Dip Galvanized structure according to UNE-EN ISO 1461 and / or ZM coating treatment (Zinc-Magnesium) according to UNE-EN 10346.
- ✓ ATA Technical Due Diligence.

### WARRANTY



- ✓ Structure: 10 years (expandable).
- ✓ Coating (\*): According to UNE-EN ISO 14713.
- ✓ Components: 3 years extensible to 5 years.

#### SPAIN

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### GENERAL CHARACTERISTICS

Tracking	Zenital East-West $\pm 55^\circ$
Maximum Power	Until 290KW
Modules	72 cells/60 cells
Drive type	Linear Actuator

### STRUCTURE

Material	Cold formed and Hot rolled steel with a yield strength greater or equal to 275 N/mm <sup>2</sup>
Finishing Treat (*)	Hot Dip Galvanized according to UNE EN ISO 1461 or ZM (Zinc-Magnesium) according to UNE EN 10346
Foundations	Driven Pillars or Concrete Foundation
Wind Alarm	Winds higher than 20 m/s
Maximum Wind	Tailored to local Codes or specific client conditions up
Maximum Slope N-S	2,6%
Maximum Slope E-W	5,2%

### CONTROL SYSTEM

Tracking Algorithm	NOAA Astronomic Algorithm
Tracking Mode	Multitracking
Data Feed	Ethernet / Wifi
Nominal Voltage	230 VAC / 230 VDC
Motor Power	From 0,75 KW to 2,00 KW
Positioning Alarm	Configurable, depending on client request

#### (\*) Standard Coating Warranty

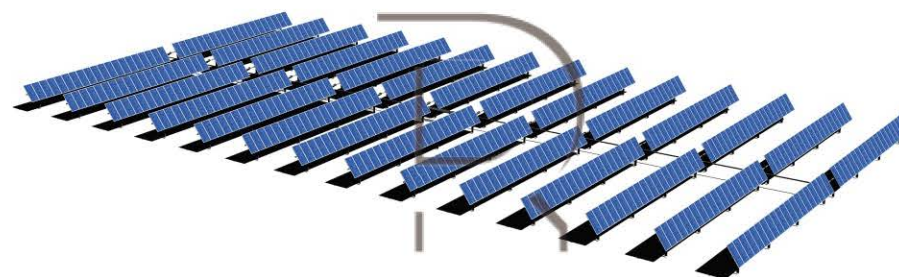
	Environment	Warranty
C2	Exposed rural inland	50 years
C3	Urban inland or mild coastal	25 years
C4	Industrial inland or urban coastal	10 years
C5	Industrial with high humidity or high salinity coastal	5 years

Service life is guaranteed maintaining environmental conditions without changes.

### CONFIGURATIONS

TRB / 1PV

One panel portrait.



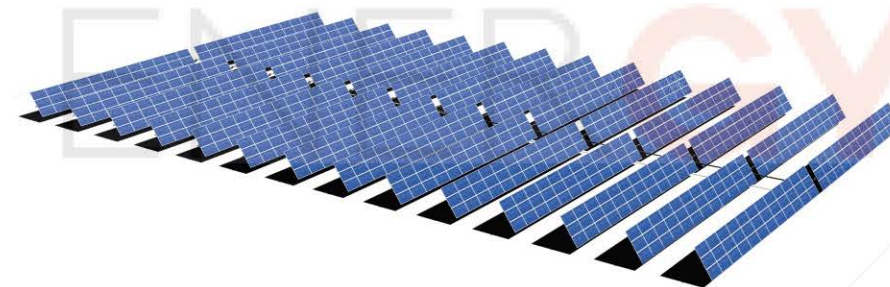
TRB / 2PH

Two panel landscape.



TRB / 3PH

Three panel landscape.



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