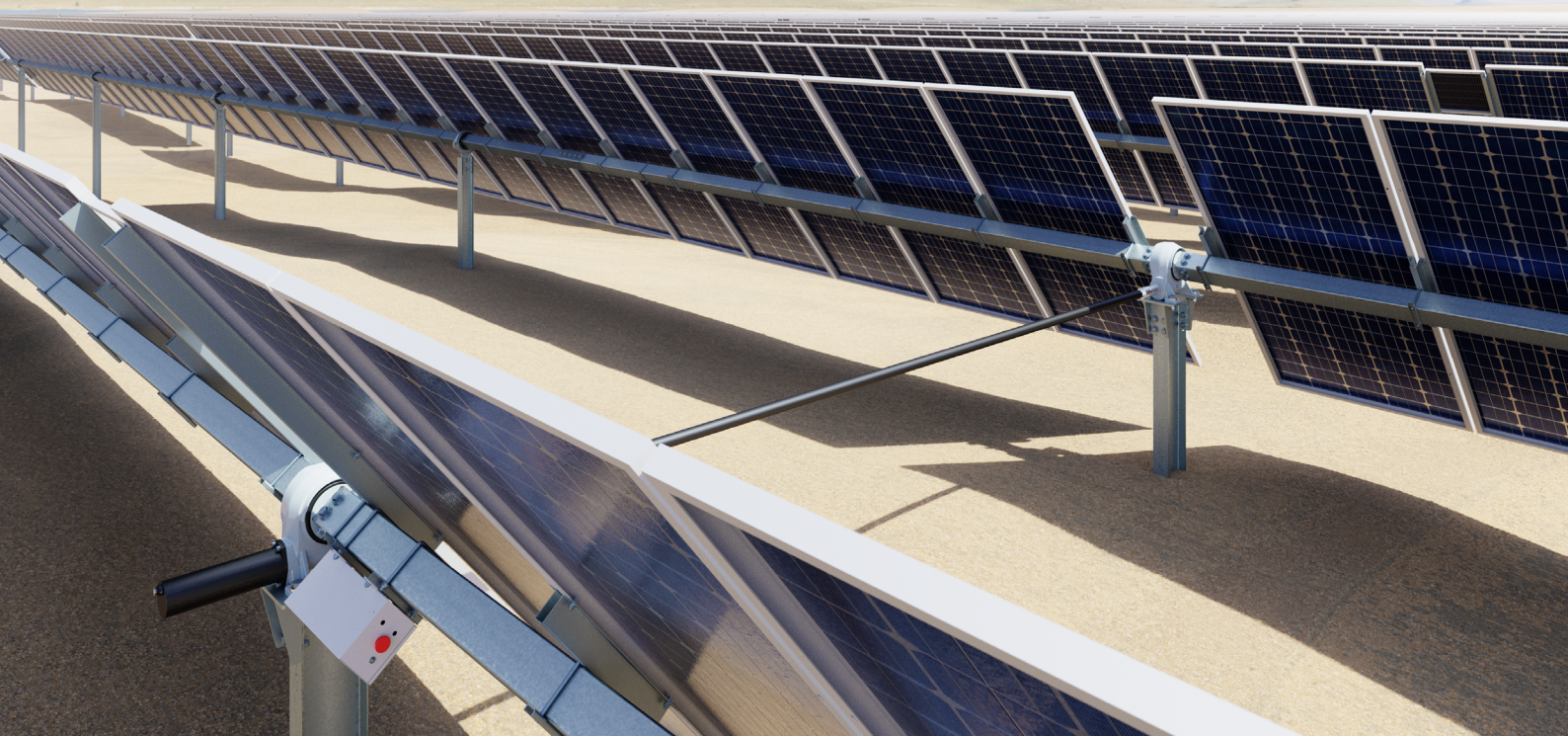


Agile™ 1P

Dual-Row

TrinaTracker



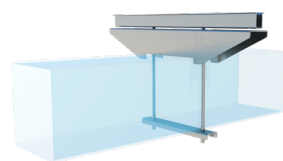
Two Rows per Tracker

- › Two slewing drives sharing one motor and one TCU.



TrinaTracker patented Trina Clamp

- › Reduces intalation times and costs.



Innovative SuperTrack

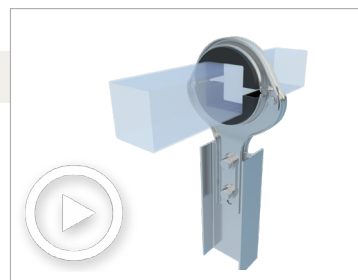
- › Real-time wheather parametres.
- › Considers terrain conditions.
- › Dynamically optimizes tracking angles.
- › Reduces shading loss.



Up to
8%
yield gain

TrinaTracker patented Spherical Bearing

- › No manteinance required.
- › Adaptation to uneven fundation settelments.
- › Releases extra stress caused by tracker deformation.
- › Reduction of BOCs cost.



More Modules per Tracker

- › Compatible con ultra-high power modules.



120
modules per
tracker

Designed for Challenging Conditions

- › Operates efficiently in complex terrains.
- › Stabity guarantee in extreme weather conditions.
- › Mechanical and electric protections ensure the right performance of the tracker.
- › Stable communicartion system covering wired and wireless solutions.



Up to
20%
N-S slope

Wind Tunnel Test by CPP

- › Stability in extreme wheather conditions.
- › Static, dynamic and aeroelastic tests.



Higher Reliability

- › The two slewing drives connected by a transmission bar improves transmission efficiency.



Optimized
stow position



Agile™ 1P

Technical Specifications

GENERAL FEATURES

Solar tracker type	Horizontal single-axis with two rows
Solar module supported	Bifacial and monofacial (framed or frameless)
Tracking range	±60° (120°)
Driver	Cardan joined slewing drive
Configuration	One module in portrait (1P) up to 2 strings per row (1500 V string)
Solar tracker type	Framed
Foundation options	Direct ramming, Pre-drilling + ramming, Micropile and PHC piles
Pile section	W, compatible with IPE, IPEA, HEA and HEB ⁽¹⁾
Modules attachment	Bolts, rivets, Trina Clamp (frameless)
Piles per MW (550Wp module)	~273 piles/MW ⁽²⁾ (60 modules per row)
(670 Wp module)	~248 piles/MW ⁽²⁾ (54 modules per row)
Terrain adaptability	20% N-S, 10% E-W ⁽³⁾
Wind and snow loads tolerance	Tailored to site requirements
Rear shading factor	1.27%

STRUCTURE

Material	High yield strength steel
Coating	HDG, pregalvanized & ZM ⁽⁴⁾

ELECTRONIC CONTROLLER SPECIFICATIONS

Controller	Electronic board with microprocessor
Ingress protection marking	IP65
Tracking method	Astronomical algorithms + SuperTrack technology ⁽⁵⁾
Advanced wind control	Customizable
Anemometer	Cup / Ultrasonic
Night-time stow	Configurable
Communication with the tracker	Wired option: RS 485 Wireless option: LoRa/Zigbee
Operating conditions	Altitude < 4000 m ⁽⁶⁾ Temperature: -30°C to 60°C
Sensors	Digital inclinometer
Power (motor drive)	DC motor: 0.15kW ⁽⁷⁾
Power supply	Grid connection / String powered / Self-powered

WARRANTY

Structure	10 years
Driver and control components	5 years

(1) C shape piles under request

(2) Depending on layout

(3) N-S: max 20%, for slopes higher than 10% consult with [TrinaTracker](#)
E-W: max 10%, for slopes higher than 5% consult with [TrinaTracker](#)

(4) Standard configuration. Other coating under request, please consult [TrinaTracker](#)

(5) Includes smart tracking algorithm and smart backtracking algorithm

(6) Different conditions under request, please refer to [TrinaTracker](#)

(7) Depending on external conditions

About TrinaTracker

✓ Excellent Bankability

Trina Solar has been ranked within the 10 "Top Bankable Module Supplier" list released by Bloomberg New Energy Finance (BNF) for five consecutive years.

✓ Multiple Product Lines for all Applications

Multiple product lines developed by an experienced international R&D team to meet market application demands.

✓ Superior Reliability and High Quality

Quality management and control system leader in the solar industry with more than 20 years of experience.

✓ Engineering Design Expertise

Systematic pre-sales to guarantee prompt engineering design.

✓ One-Stop Service

Complete value chain analysis to ensure your investment. An experienced KAM manages and optimizes the project according to your requirements.