



TrinaTracker Agile™-1P

Dual-Row



More Modules per Tracker

Compatible with modules up to **670W+**.
By adopting one in portrait (1P) design, Agile can install up to 60 modules per row.



Designed for Challenging Conditions

The Agile™-1P has been designed for sites that have both challenging terrain and high wind conditions, up to **20%** N-S slope.



Higher Reliability

The two slewing drives are connected by a transmission bar with a cardan design that improves the transmission efficiency, also has an optimized stow position and alarm strategy for a safer and more robust structure.



Two Rows per Tracker

Dual-row tracker has one primary slewing drive in one row and one secondary slewing drive in another row. Two slewing drives share one motor and one TCU.



SuperTrack Smart Tracking Control System

Compared with conventional tracking control system, increase energy generation by up to **3-8%**.

TRINA CLAMP

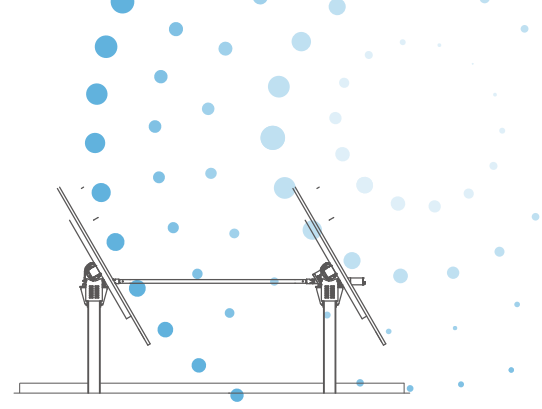
Trina Clamp is a proprietary product that is quick and easy to use with the 1P configuration, reducing the installation time and costs.



WIND TUNNEL TESTED BY CPP

Detailed wind tunnel test methodology to reproduce the most realistic tracker behavior and analyze the aerodynamic effects that impact tracker structures





TECHNICAL SPECIFICATIONS

GENERAL FEATURES

Solar tracker type	Two rows Single-Axis
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 module supported	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, Clamps (frameless)
Piles per MW (670Wp 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 requirement
Rear shading factor	1.27 %
Design wind speed	55 m/s (This value depends on project conditions)

STRUCTURE

Material	High Yield Strength Steel
Coating	HDG, Pregalvanizide & ZM ⁽⁴⁾

ELECTRONIC CONTROLLER SPECIFICATIONS

Controller	Electronic board with microprocessor
Ingress protection marking	IP65
Tracking method	SuperTrack Smart Tracking Control System ⁽⁵⁾ / Conventional Tracking Control System
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: -30~60°C
Sensors	Digital inclinometer
Power (motor drive)	DC motor: 0.15 kW ⁽⁷⁾
Power supply	Grid connection / String powered / Self-powered

WARRANTY

Warranty period of 10 years for the structural set of elements which build the tracker up and have been supplied by Trina Solar.

Warranty period of 5 years for commercial components (including but not limited to drive system, electrical system, bearing set, fasteners, etc.)

- *1 C shape piles under request
- *2 Depending on layout
- *3 N-S: max 20%, for slopes higher than 10% consult with TrinaTrack
E-W: max 10%, for slopes higher than 5% consult with TrinaTrack
- *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 consult TrinaTracker
- *7 Depending on external conditions

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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