

## TrinaTracker Agile™ -1P G2

### Single-Row



#### Compatible with Latest Modules

Compatible with N/P - Type modules up to **710W**.



#### 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

This tracker has an optimized stow position and alarm strategy for a safer and more robust structure.



#### SuperTrack Smart Tracking Algorithm

Compared with conventional tracking algorithm, increase energy generation by as much as **6%**.

#### TRINA CLAMP

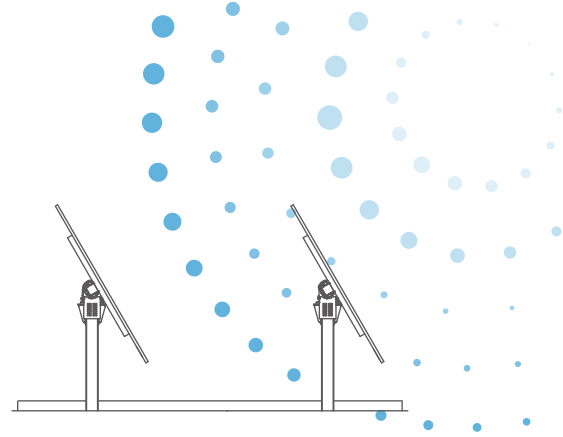
Trina Clamp is a proprietary product that is quick and easy to use with the 1P configuration, reducing the installation time and costs.



#### WIND TUNNEL TESTED BY CPP

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





## TECHNICAL SPECIFICATIONS

### GENERAL FEATURES

Solar tracker type	Single-Axis
Tracking range	±60° (120°)
Driver	Slewing drive
Configuration	One module in portrait (1P) up to 2 strings per tracker (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 <sup>(1)</sup>
Modules attachment	Bolts, Rivets, Trina Clamp
Piles per MW (710Wp module)	~264 piles/MW <sup>(2)</sup> (60 modules per row)
Terrain adaptability	15% W-E, 20% N-S <sup>(3)</sup>
Wind and snow loads tolerance	Tailored to site requirement
GCR	≥25%
Design wind speed	55 m/s (This value depends on project conditions)

### STRUCTURE

Material	High Yield Strength Steel
Coating	HDG, Pregalvanizide & ZM <sup>(4)</sup>

### ELECTRONIC CONTROLLER SPECIFICATIONS

Controller	Electronic board with microprocessor
Ingress protection marking	IP66
Tracking method	SuperTrack Smart Tracking Algorithm <sup>(5)</sup> / Conventional Tracking Algorithm
Advanced wind control	Customizable
Anemometer	Cup / Ultrasonic + Vane
Night-time stow	Configurable
Communication with the tracker	Wireless option: LoRa/Zigbee
Operating conditions	Altitude < 4000 m <sup>(6)</sup> Temperature: -30~60°C
Sensors	Digital inclinometer
Power consumption (motor drive)	DC motor: 0.15 kW <sup>(7)</sup>
Power supply	String-powered / Self-powered / AC-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 Optional C piles

\*2 Depending on layout

\*3 N-S, E-W: slope higher than 10% 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 consult TrinaTracker

\*7 Depending on external conditions

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

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