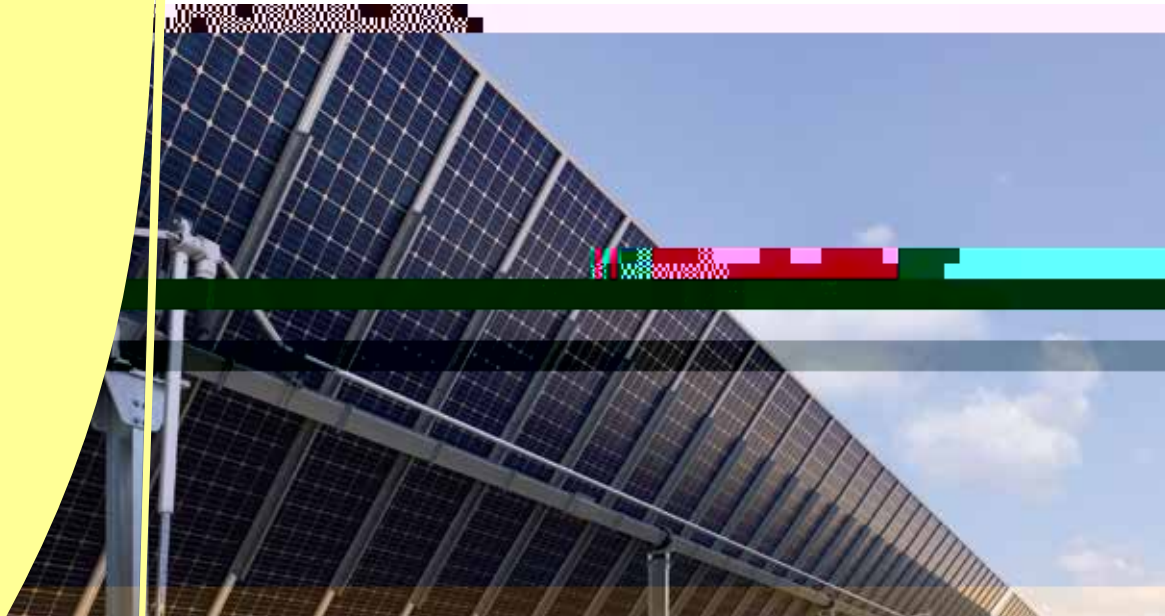## ...atible with Larger Modules

...™-2P is designed to reduce LCOE with larger modules. ...atible with modules up to 670W+.

Upgraded Multidrive System

Better wind tolerance, high adaptability and synchronization, greatly improving the stability of the system.

Innovative SuperTrack Technology

According to real-time weather and actual terrain conditions, smart algorithm dynamically optimizes tracking angle, increases receiving radiation and reduces shading loss.

UP TO 8% yield gain

More Modules Per Tracker

Designed with two-in-portrait configuration (2P), up to 4 strings of 1500V system per row.

UP TO 120 modules per tracker

Fewer Piles Per MW

7 piles per row (standard configuration), number of piles per MW has been optimized.

UP TO 45% fewer piles

OPTIMIZED BEARING DESIGN

- Global patented spherical bearings, up to 30% angle adjustability.

WIND TUNNEL TESTED BY RWDI

Static load + dynamic load dual test

TECHNICAL SPECIFICATIONS

GENERAL FEATURES

Solar tracker	Single Row Single-Axis
Tracking range	55° (110°)
Driver	Multi drive actuator
Configuration	Two modules in portrait (2P) of 4 in per tracker (1500V in)
Solar modules compatible	Frameless
Control capabilities	Distributed programming / Pre-settings + programming / Monitoring / PHC...
Foundation	W, omega... IPE, IPEA
Module attachment	Bolt, Rail and Clip
Power MW (550W modules)	~106 in /MW[1] (120 modules per row)
(670W modules)	~102 in /MW[1] (102 modules per row)
Terrain adaptability	15% N-S[2]
Wind load to solar tracker	Tailored to project requirement
Rear tilt factor	0.8%
Critical wind speed	47m/

STRUCTURE

Material	Hot Yield Steel Strength
Coating	HDG, Pre assail & ZM[3]

CONTROLLER

Controller	Electronic board with microprocessor
Ingress protection marking	IP65
Tracking modes	Astronomical algorithm + SmartTrack control [4]
Attach solution	Customizable
Anemometer	C /U rainer ic
Night mode	Configurable
Communication with tracker	Wired bus: RS485 / Wireless bus: Radio/Zigbee
Operation conditions	Altitude < 4000m[5] / Temperature: -30°C to 60°C[5]
Sensor	Digital inclinometer
Power (motor driving)	DC motor: 0.2 W
Power	Grid connection / String or self-powered / Self power in battery

WARRANTY

Structure	10 years
Drive and control components	5 years

(1) Depending on layout
(2) For scenarios beyond the scope of use, please consult TrinaTracker
(3) Standard configuration. Other coating under request
(4) Includes smart tracking algorithm and smart backtracking algorithm
(5)Standard configuration. Different conditions under request, please consult TrinaTracker