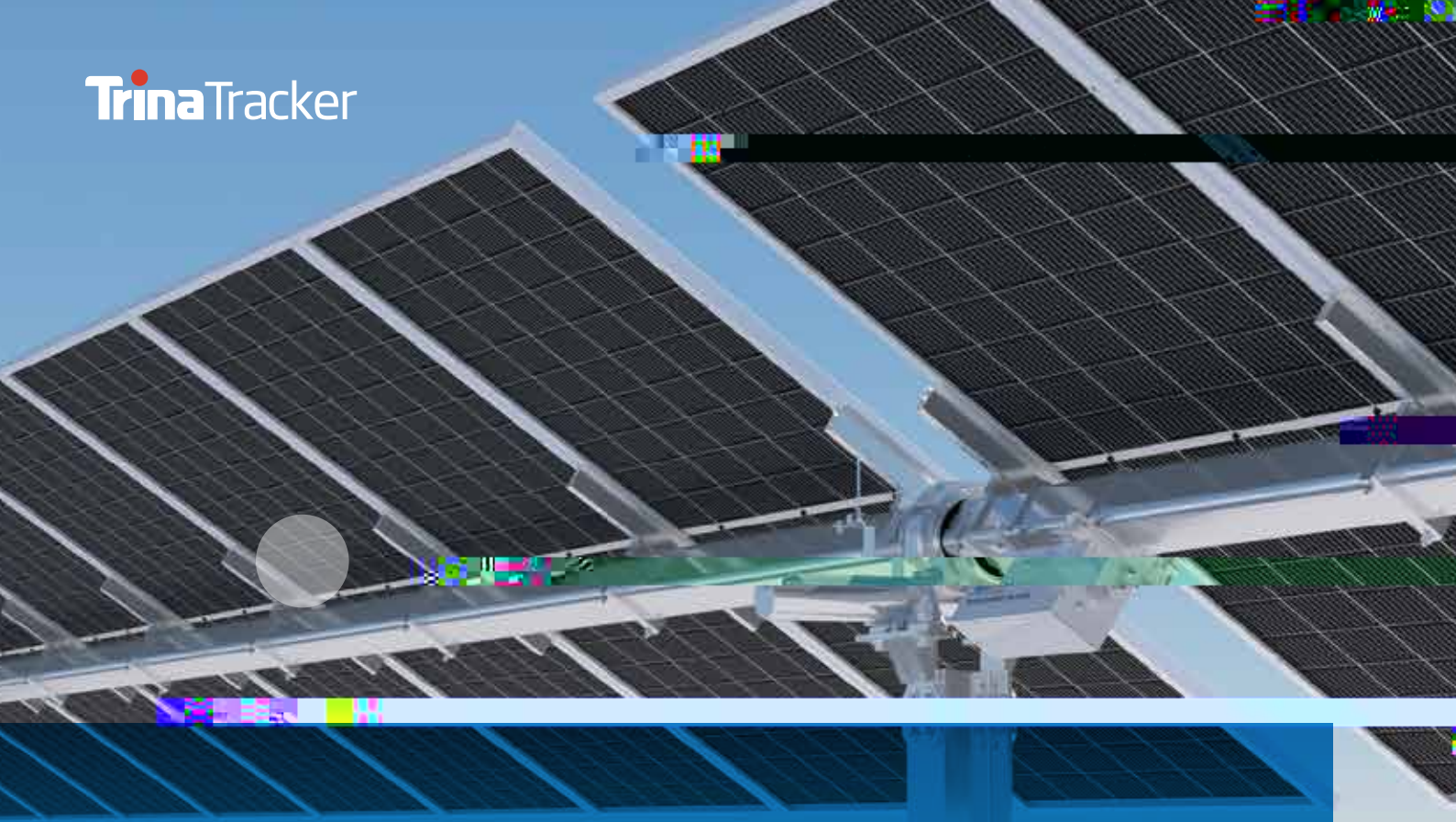
TrinaTracker



TrinaTracker Vanguard™-1P

Compatible with Larger Modules

Compatible with modules up to 670W+.

Higher Stability

Bi-damper system improves the tracking system's resistance to wind by 20%

Higher Reliability

Optimized torque tube improves the torsional resistance by 29.6% and the bending resistance by 12.4%

Quick Installation Design

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

BILATERAL DAMPER SYSTEM

The bilateral damper system can shorten the tracker oscillation time,thus preventing oscillation. Dynamic responses are reduced and the critical wind speed increased

SPHERICAL BEARING

Global patented spherical bearings with up to 30% angle adjustability,alleviate the damage caused by uneven foundation settlement during operations. The spherical bearings dissipate the extra stress caused by the deformation of the tracker system,thus reduce the load and failure rate of each component.

TECHNICAL SPECIFICATIONS

GENERAL FEATURES	
Wind and snow loads tolerance	
Design wind speed	55 m/s (This value depends on project conditions)
STRUCTURE	
Material	High Yield Strength Steel
Coating	HDG, Pregalvanizde & ZM[3]
CONTROLLER	
	Electronic board with microprocessor
	IP65
	Customizable
	Cup / Ultrasonic
	Configurable
	Wired option: RS 485
	Wireless option: LoRa/Zigbee
	Altitude < 4000 m[5]
	Temperature: -30~60°C[5]
	Digital inclinometer
	DC motor: 0.15 kW
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 Depending on layout
*2 For scenarios beyond the scope of use,please consult TrinaTracker
*3 Standard configuration, Other coating under request, please consult TrinaTracker
*4 Includes smart tracking algorithm and smart backtracking algorithm
*5 Standard configuration. Different conditions under reques,please consult TrinaTracker