



## Compatible with Larger Modules

Vanguard™-2P is designed to reduce LCOE with larger modules.  
Compatible 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

Series	Series -A
Temperature	55 <sup>°</sup> (110 <sup>°</sup> )
Dimensions	Mounting distance
Capacity	Temperature (2P) 4 (1500V)
System	Frame
Finish	Dimensions / Powder + anodized / Material / PHC
Product	Warranty IPE, IPEA
Mounting distance	Base, Rail, Cable
Power (550W module)	106 /MW <sup>(1)</sup> (120m)
(670W module)	102 /MW <sup>(1)</sup> (102m)
Temperature tolerance	15% N-S <sup>(2)</sup>
Weight	Temperature
Resistance	0.8%
Capacity	47m/

## STRUCTURE

Material	High Strength Steel
Coating	HDG, Powder & ZM <sup>(3)</sup>

## CONTROLLER

Controller	Electronics
Inverter	IP65
Temperature	Alarm + Smart Tracking (4)
Accuracy	Communication
Alarm	Control/Alarm
Network	Control
Communication	Wavelength: RS485
	Wavelength: L Ra/Z b
Operation	Area < 4000m <sup>(5)</sup>
	Temperature: -30 <sup>°</sup> C 60 <sup>°</sup> C <sup>(5)</sup>
System	Dimensions
Power (module)	DCmax: 0.2 W
Power	Grid / Smart / Smart / Smart

## WARRANTY

System	10 years
Dimensions	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

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

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