



## 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	Monocrystalline
Cell Area	Terminal Area (2P) 4 Cells (1500V)
Surface Material	Film
Front Glass	Double Tempered / Poly-crystalline / Monocrystalline / PHC
Profile	W, c m a b IPE, IPEA
Mounting Accessories	Bolts, Rails, Connectors
Power (550W module)	106 W/MW <sup>(1)</sup> (120 m <sup>2</sup> )
Power (670W module)	102 W/MW <sup>(1)</sup> (102 m <sup>2</sup> )
Temperature Coefficient	15% N-S <sup>(2)</sup>
Weight	Terminal
Resistance	0.8%
Corrosion	47m/

## STRUCTURE

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

## CONTROLLER

Controller	Electronic Module
Ingress Protection	IP65
Temperature	Alarm + Smart Tracking (4)
Accuracy	Communication
Alarm	Control/Alarm
Network	Control
Communication	Wired: RS485 Wireless: Lora/Zigbee
Operating	Altitude < 4000m <sup>(5)</sup> Temperature: -30 <sup>°</sup> C ~ 60 <sup>°</sup> C <sup>(5)</sup>
Size	Dimensions
Power (module)	DC Max: 0.2 W
Power	Grid-connected / String inverter

## WARRANTY

Service	10 years
Defective Component	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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