



## 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

Standard	Standard -A
Thickness	55 (110 )
Depth	Mountable
Capacity	Terminal (2P) 4 (1500V )
Standard	Frame
Finish	Depth/mm / Paint - + mm / Material / PHC
Profile	W, cm 40b IPE, IPEA
Material	Black, Ral 5005
Power (550W m <sup>2</sup> )	~P106 /MW <sup>(1)</sup> (120 m <sup>2</sup> )
(670W m <sup>2</sup> )	~P102 /MW <sup>(1)</sup> (102 m <sup>2</sup> )
Temperature	15% N-S <sup>(2)</sup>
Weight	Terminal mm
Rail	0.8%
Clearance	47m/

## STRUCTURE

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

## CONTROLLER

Controller	Electronic
Ingress Protection	IP65
Thickness	Aluminum + Steel (4)
Accessories	Control
Material	Control
Network	Control
Communication	Wireless: RS485 Wireless: L Ra/Z b
Operating	Area < 4000m <sup>(5)</sup> Temperature: -30 C to 60 C <sup>(5)</sup>
Standard	Dimensions
Power (m <sup>2</sup> )	DC max 0.2 W
Power	Grid / Standard / S -

## WARRANTY

Standard	10 year
Depth	5 year

(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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Doc.number: DT-T-0001 Rev: C