



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	Two (2P) 4 (1500V)
Standard	Flat
Finish	Aluminum / Paint - + / Monocoil / PHC
Profile	W, c m a b IPE, IPEA
Material	BR, a C
Power (550W m)	~P106 /MW ⁽¹⁾ (120 m)
(670W m)	~P102 /MW ⁽¹⁾ (102 m)
Temperature	15% N-S ⁽²⁾
Weight	Table
Roof area	0.8%
Clearance	47m/

STRUCTURE

Material	High Strength Steel
Coating	HDG, Paint & ZM ⁽³⁾

CONTROLLER

Controller	Electronic module
Ingress Protection	IP65
Thickness	Aluminum + S (4)
Accessories	Control box
Material	C / U
Network	C
Communication	Wired : RS485 Wired : L Ra/Z b
Operating temperature	Ambient < 4000m ⁽⁵⁾ Temperature : -30 C 60 C ⁽⁵⁾
Standard	Distance
Power (m)	DC max 0.2 W
Power	Grid / Solar / S - battery

WARRANTY

Standard	10 year
Defective component	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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