



Compatible with Larger Modules

VanguardTM-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

Size (mm)	1500 × 1000 × 55 (mm)
Dimensions (mm)	1500 × 1000 × 55 (mm)
Weight (kg)	10.6 (120W) / 10.2 (102W)
Material	Aluminum alloy
Surface Treatment	Electrolytic coating
Power (W)	102W (102W) / 106W (120W)
Efficiency (%)	21.5%
Temperature Coefficient (%)	-0.0045 / °C
Operating Temperature (°C)	-30 to 60
Humidity (%)	95%
Wind Speed (m/s)	25
IP Rating	IP65
Mounting	Standard
Warranty	10 years

STRUCTURE

Material	Aluminum alloy
Surface Treatment	Electrolytic coating

CONTROLLER

Controller	TrinaTracker
IP Rating	IP65
Temperature (°C)	-30 to 60
Humidity (%)	95%
Operating Temperature (°C)	-30 to 60
Humidity (%)	95%
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WARRANTY

Warranty	10 years
Material	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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Doc.number: DT-T-0001 Rev: C