Van ™-2P

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

S a ac	S S -A
T ac a	55⁷ (110⁷)
D	M a ac a
C a	T m a (2P) 4 ac (1500V)
S a m	F am
F a	D c amm / P - + amm / M c / PHC
P c	W, c m a b IPE, IPEA
M a ac m	B , R a C
P MW (550W m)	106 /MW⁽¹⁾ (120 m)
(670W m)	102 /MW⁽¹⁾ (102 m)
T a a a ab	15% N-S⁽²⁾
W a a a c	Ta m
R a a ɪac	0.8%
C ca	47m/

STRUCTURE

Ma a	H Y S S
C a	HDG, P a a & ZM⁽³⁾

CONTROLLER

C	E c c b a m⁻ c
I c ma	IP65
T ac m	A m ca a m + S T ac c ⁽⁴⁾
A a c c	C m ab
A m m	C /U a c
N - m	C ab
C mm ca ac	W : RS485
	W : L Ra/Z b
O a c	A < 4000m ⁽⁵⁾
	T m a : -30⁷C 60⁷C ⁽⁵⁾
S	D a c m
P (m)	DC m : 0.2 W
P	G c c / S / S ɪ- ba

WARRANTY

S c	10 a
D a c c m	5 a

(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 reques，tplease consult TrinaTracker

TrinaTracker