



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

GENERAL FEATURES

S _a ac γ	S ₁ r ₁ S ₂ r ₂ -A ₁
T ac a	55 (110)
D	M ₁ r ₁ r ₂ a ac a
C ₁ a ₁	T ₁ r ₁ r ₂ a (2P) ₁ 4 r ₂ ac (1500V ₁)
S _a r ₁ r ₂ r ₃	F a
E ₁ a ₁ r ₂ r ₃	D ₁ c a ₁ /P ₁ - r ₂ + a ₃ /M ₁ r ₂ /PHC ₁
P ₁ r ₂ c ₁	W ₁ c ₁ a b ₁ IPE, IPEA
M ₁ r ₂ a ac r ₃	B ₁ r ₂ R ₁ r ₃ a ₄ C ₁
P ₁ r ₂ MW (550W ₁ r ₃)	106 r ₄ /MW ⁽¹⁾ (120 r ₅ r ₆ r ₇)
(670W ₁ r ₃)	102 r ₄ /MW ⁽¹⁾ (102 r ₅ r ₆ r ₇)
T ₁ a ₁ a ₂ a ₃ ab γ	15% N-S ⁽²⁾
W ₁ a ₁ r ₂ r ₃ a ₄ r ₅ a ₆ g	Ta ₁ r ₂ r ₃ r ₄ r ₅ r ₆ r ₇
R ₁ a ₁ a ₂ a ₃	0.8%
C ₁ ca ₁ r ₂ r ₃	47 /

STRUCTURE

Mar 14	H 14	S 14	S 14
Jul 14	HDG, P 14	at 14	& ZM ⁽³⁾

CONTROLLER

C ₁ = 1	Er _c = 100 a	C ₁ = 0
li ₁ = 1, C ₁ = 1 a	IP65	
T _{ac} = 1	A ₁ = 100 a a ₁ = 1 + S ₁ = 1 T _{ac} = 1 C ₁ = 1 γ ⁽⁴⁾	
A ₁ = 100 a C ₁ = 1	C ₁ = 100 a b	
A ₁ = 100 a	C ₁ / U ₁ = 100 a	
N ₁ = 1	C ₁ = 100 a b	
C ₁ = 100 a C ₁ = 100 a C ₁ = 100 a	W ₁ = 100 a : RS485	
	W ₁ = 100 a : L Ra/Z b	
O ₁ = 100 a C ₁ = 100 a	A ₁ = 100 a < 4000 ⁽⁵⁾	
	T ₁ = 100 a : -30 C ₁ = 60 C ⁽⁵⁾	
S ₁ = 100 a	D ₁ = 100 a C ₁ = 100 a	
P ₁ = 100 a (C ₁ = 100 a)	DC ₁ = 100 a : 0.2 W	
P ₁ = 100 a γ	G ₁ = 100 a C ₁ = 100 a / S ₁ = 100 a γ / S ₁ = 100 a γ ba γ	

WARRANTY

S	c	r	10	r	a
D	r	a	c	u	c

- (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.

© 2021 Trina Solar Co.,Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.

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