



1P Flat Single Axis Tracking System

Adopting independent drive form, single drive improves arrangement flexibility and can adapt to various modules arrangement forms, easy to install and maintain.

Six Advantages Of 1P Flat Single Axis Tracking System



Intelligent tracking and control strategies can be applied to improve the power generation of the tracking system through fine control.



The power generation increased by 8-15%, and the application of intelligent tracking algorithm increased the power generation by 2%.



Adapt to a certain site slope, and theoretically there is no slope restriction in the east-west direction.



A damping rod is added to the end to prevent the bracket from being damaged by strong wind vibration. The damping rod is inverted to ensure reliability in high wind and sand areas.



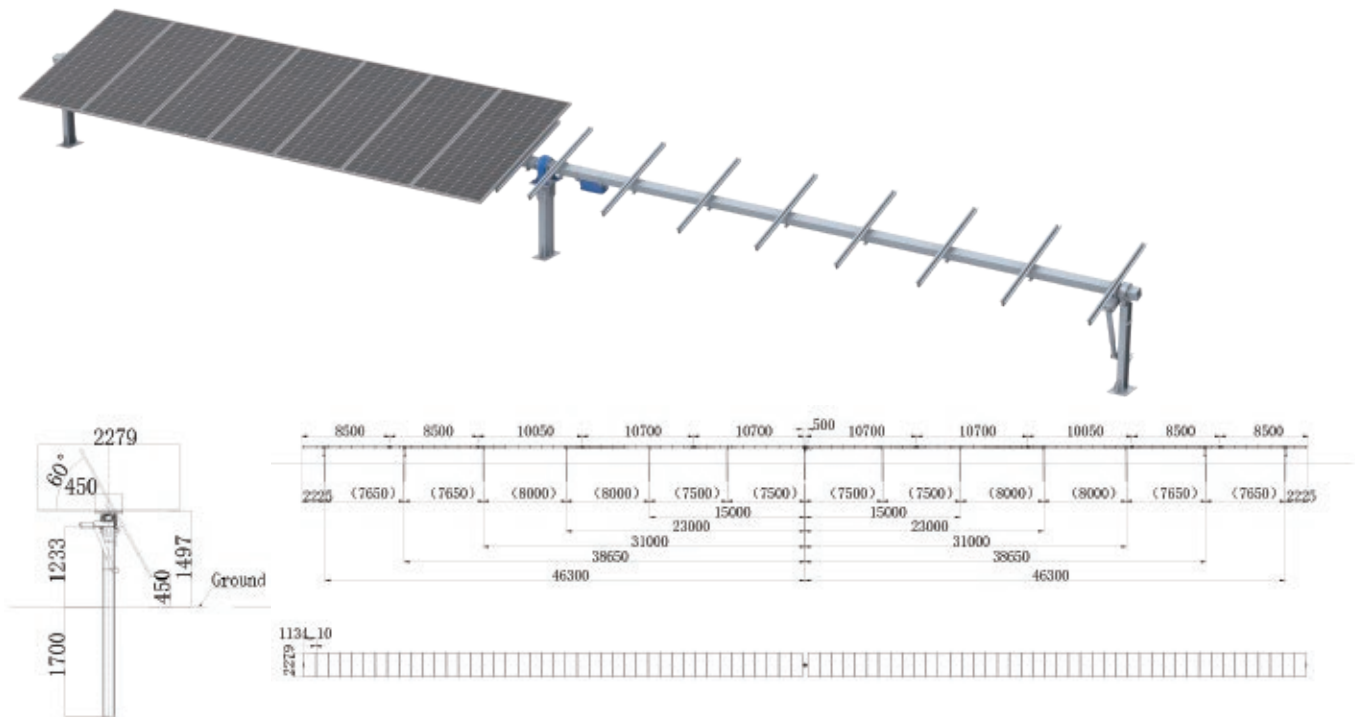
The total torque of the narrow row is small, the middle driving pile is self-locking, and the load of the other piles is small, which is safe and reliable.



More friendly to the passage of cleaning and maintenance vehicles.

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Play video >> <https://www.supersolarpv.com/single-axis-tracker-solar-power-tracking-system>



Solution: 1*84

Structural datasheet		Electrical control	
System type	1P flat single axis tracking system	Tracking algorithm	Astronomical algorithms
Single row module power	54KWp (taking 600W module as an example)	Controller	MCU
Single row module quantity	90PCS(1P ×90)	Communication method	Zigbee/RS485
Tracking Range	±60°	Drive type	Rotary reducer
Tracking accuracy	±1°	Motor	24VDC140-160W DC motor
Driver quantity	1 unit	Power supply method	AC power supply / module string power supply
Structural materials	Hot dip galvanized steel, ZAM steel	Shadow backtracking	Possess
Foundation type	Concrete pile, Static pressure pile, PHC pile	Manual control mode	Possess
Pile Quantity/MW	205pcs (taking 600W module as an example)	Power supply type	Self-powered/module string powered
Module String design	Adapt to various string designs	Working wind speed	≤18m/s
Electrical control		Protective function	
Wind load	Customized according to project	High wind protection mode	≥18m/s
Working temptrature	-30°C to+60°C	Night return	Possess
Environmental pollution level	C5	Motor overheat protection	Possess
Slope adaptability	10%-20% in north and south, no limit in east and west	Motor overload protection	Possess
Special tools	No need	System fault self-diagnosis	Possess
Standard	GB、ASCE、BSEN、AS etc. (according to project)	Protection recovery time	5-6 minutes
Warranty	Drive and electronic control warranty 5 years Structure warranty 10 years		