Macsun Solar Energy Technology Co.,Limited
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Dual-axis Tracking System MS-PV-SDT33/35

Tracker Profile:

Dual axis trackers allow for optimum solar energy levels due to their ability to follow the sun vertically and horizontally. No matter where the sun is in the sky, dual axis trackers are able to angle themselves to be in direct contact with the sun.

Dual axis trackers have two degrees of freedom that act as axes of rotation. These axes are typically normal to one another. The axis that is fixed with respect to the ground can be considered a primary axis. The axis that is referenced to the primary axis can be considered a secondary axis. There are several common implementations of dual axis trackers. They are classified by the orientation of their primary axes with respect to the ground. The orientation of the module with respect to the tracker axis is important when modeling performance. Dual axis trackers typically have modules oriented parallel to the secondary axis of rotation.

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Product Characteristics

	Dual-Axis Tracker MS-PV-SDT	
Model	MS-PV-SDT35	MS-PV-SDT33
Array:		
Modules Assembly Area	35 ㎡	33 ㎡
Modules Assembly Arrangement	18 Modules	20 Modules
Modules Reference	315W-1956*991*40mm	260W-1650*991*40mm
Power Generation Capacity	5.67KW	5.2KW
Tracking:		
Tracking Accuracy	≤1°	
Tracking angle range	Tracking Altitude Angle:10°—70°,	Tracking Azimuth:±120°
Tracking Principle	Algorithm + Inclinometer	
Structure:		
Material	Hot Galvanized Steel	
Electronic Control Cabinet	IP65,Weather Proof, Junction Connected	
Max. Operating Wind Load	22m/s	
Max. Wind Load at Stow Position	34m/s	
Working Temperature	-40°C-60°C	
System Life	≥25years	
Motor:		
Motor Power	96w	
Average Annual Power Consumption	≤18kWh	
Controller Power Input	AC110V/AC220V	
Certifications and Warranties:		
Certifications	CE,ISO-9001	
Warranty	Material Part：10years Electronic Part：5years (Long Warranty can be purchased)	

System Characteristics

Automatic Tracking
Independent Reset
Manual Control
Backtracking
Wind Speed Test
Night Reposition Function