Tilted Single-axis Tracking System

Tracker Profile:

The modules of tilted single-axis trackers are installed at a certain tilt. It works on same principle as HSAT, keeping the axis of tube horizontal in north–south line and rotates the solar modules east to west throughout the day. These trackers are usually suitable in high latitude locations, but do not take as much land space as consumed by Vertical single axis tracker (VSAT). Therefore, it brings the advantages of VSAT in a horizontal tracker and minimizes the overall cost of solar project.

Product Characteristics

	Single Axis Tilted Tracker **MS-PV-STT**
Model	MS-PV-STT117
Array	
Modules Assembly Area	117m2
Modules Assembly Arrangement	72 Modules
Modules Reference	260W-1650x991x40mm
Power Generation Capacity	18.72kW
Tracking	
Tracking Accuracy	≤1°
Tilted Angle	10°to 35°depending on customer requirement
Tracking Altitude Angle	±45°
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	120w
Average Annual Power Consumption	≤32kWh
Controller Power Input	AC110V/AC220V
Certifications and Warranties	
Certifications	CE,ISO-9001
	Material Part：10years
Warranty	
	Electronic Part：5years (Long Warranty can be purchased)

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