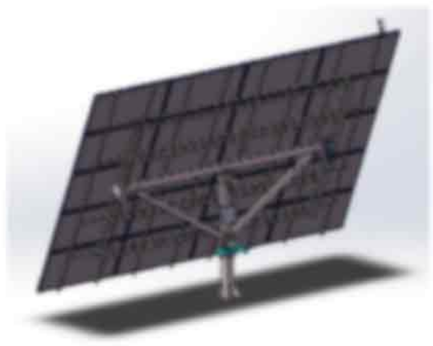
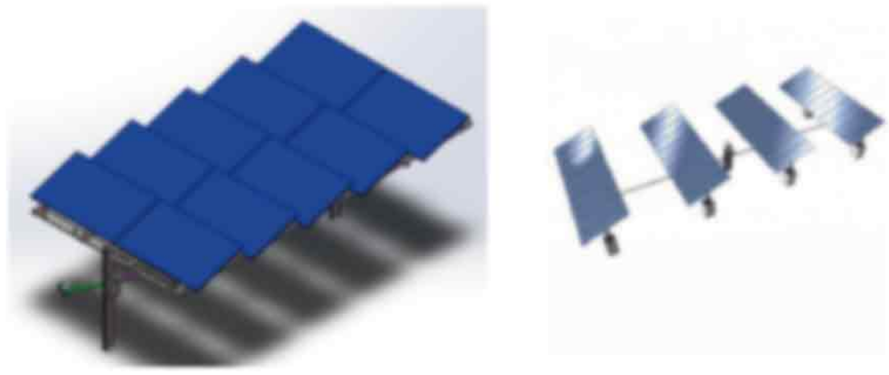
JS-TAM SOLAR TRACKER AUTOMATIC MOUNT

Solar tracker automatic mount is mainly applied to large-scale solar power plant .One motor and control system make the whole solar module array track automatically. The unique linkage structure and slewing bearing ensure the stability of the whole system, low failure rate and maintenance cost. It is a good choice for large-scale solar power plant with roughly 35%~40% power generation, comparing to fixed system.



Dual Axis Solar Tracker



Single Axis Solar Tracker

Components

								
Wind Speed Sensor	Linear Actuator	Limited Sensor	Solar Panel Fastener	Positioning GPS	Slewing Driver	Solar Tracking Controller	Solar Tracking Support	Inclined Sensor

Optional Structure

Dual axis solar tracker

1.Double linear actuator
2.Linear actuator + slew drive
3.Double linear actuator + slew drive
4.Double slew drive flat structure
5.Double slew drive z structure

Single axis solar tracker

1. Horizontal single axis solar tracker
2. Horizontal tilt single axis solar tracker
3. Tilted single axis solar tracker linkage structure

Project Case

TECHNICAL PARAMETERS	
Tracking Range	±45°to ±60°
Tracking Accuracy	±1°
Protection of Wind Speed	17m/s
Terrain Adaptability	10°North-South, East-West Unlimited
Foundation Form	Concrete / Steel Foundation
Support Material	Hop-dip Galvanized Steel
Control Method	Astronomical
Control Hardware	32-bit ARM Processor (MCU)
Consumption(KW.h)	⩽0.5
Input Voltage	AC220V 50/60HZ
GPS Positioning	Optional
Drive System	Slewing Drive
Communication Function	RS485
Power Acquisition Mode	External Supply/Self-Dowered Supply
Automatic Wind Resistance	Available
Back Tracking Algorithm	Available
Night Stow Mode & Remote Function	Available
Standard	GBT 29320-2012
Design Life	⩾ 25years