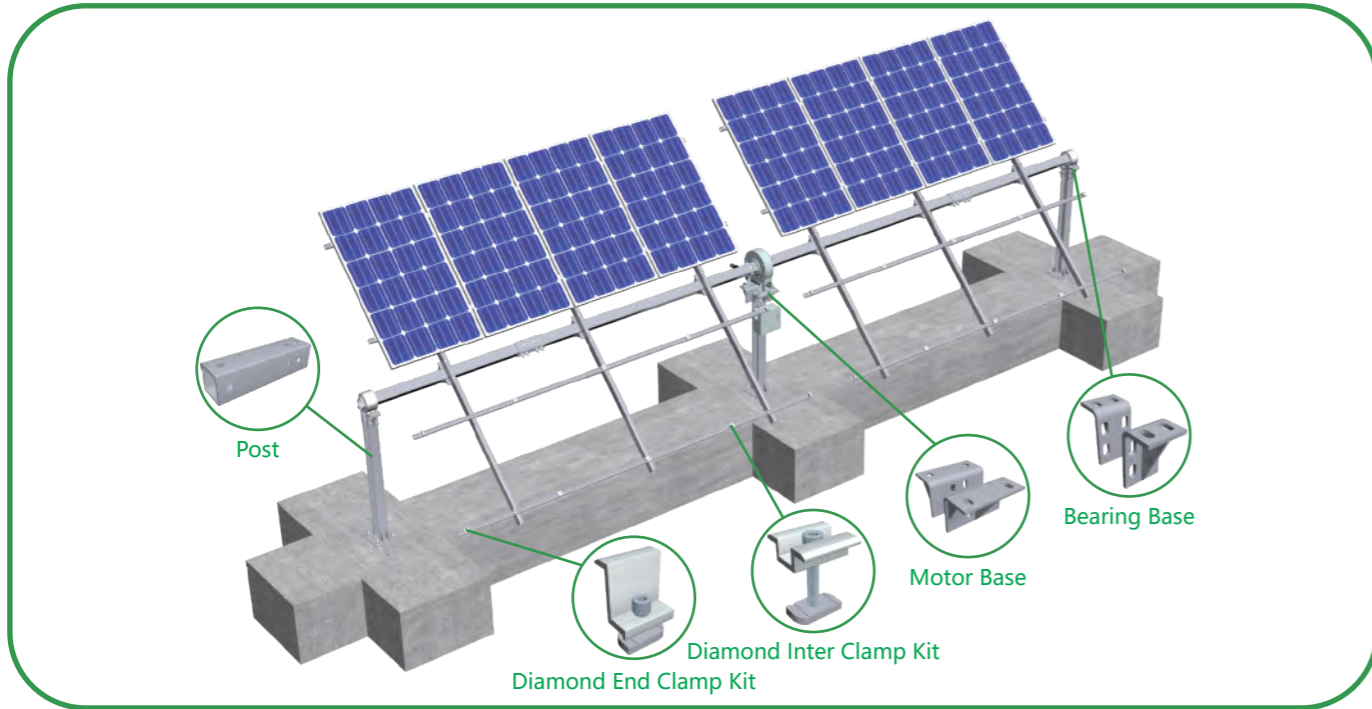


MRac[®] Smart Horizontal Single Axis Tracking Solar PV Mounting System



Technical Parameters

GPS Module	Acquire longitude, latitude and accurate time automatically, and be Compatible with Beidou Satellite Positioning System	Design Support	Support Wind Protection, Snow Removal Mode; Rain Cleaning Mode; Position Return Mode;
Install Capacity	<25KWp	Driving Methods	Slewing Speed Reducer
Tracking Angle	±60°	Material	Q235B(HDG)&AI 6005-T5
Wind Resistance	<22m/s	Control System	Microcomputer
Tracking Algorithm	Astronomical Algorithms +Tilt Sensors	IP	Grade
Ground Clearance	400mm+	Warranty	10-Years Warranty
Power Supply	DC24V		

Overview

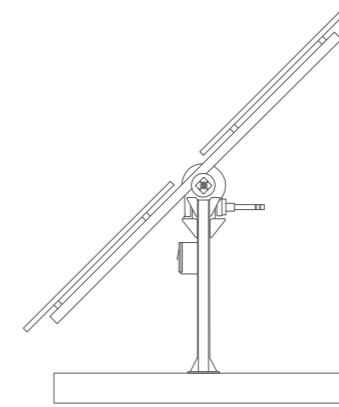
MRac Smart Horizontal Single Axis Tracking Solar PV Mounting System is mainly applied to large-scale solar power plant at low latitude areas. One motor and control system make the whole solar module array track automatically. The unique linkage structure and slewing bearing ensure the stability of the whole system, low failure rate and maintenance cost. It is a good choice for large-scale solar power plant with roughly 20% power generation, comparing to fixed system.



Advantages

- > **Automatic Tracking without Manual Debugging**
With good environmental adaptability, no affection by rainy and cloudy weather; Wide Range of tracking angle improves the power generation .
- > **Equipped with GPS to Ensure the Accuracy of Time**
High weather resistance contributes to safe and stable operation between -40°C-85°C. The excellent electromagnetic compatibility design makes the system stable and reliable.
- > **Remote Communication, Group Control for Multi-Equipment**
Automatically identify the failure, with automatic self-protection and alarm; Quadruple over-current protection ensures the safety of the whole system .
- > **Customized System Configuration Available**
It can be designed according to customer's specific requirement.

Structure



Component Details

1		Post Specification: C100*50*15*2*L4500 Material: Q235B(Hot-Dip Galvanized)	2		Motor Base Material: Q235B (Hot-Dip Galvanized)
3		Bearing Base Material: Q235B(Hot-Dip Galvanized)	4		Bearing Sleeve Material: AL6005-T5 (Anodized)
5		Diamond End Clamp Kit Components: End Clamp Diamond Bolt M8 Spring Washer M8 Hexagon Bolt Kit	6		Diamond Inter Clamp Kit Components: Inter Clamp Diamond Bolt M8 Spring washer M8 Hexagon bolt Kit
7		Control box Specification: L300*160*400	8		Motor Specification: 7inch/9inch Single Side or Double Side Output

Installation Guide

1		Install Post according to the solution.	2		Install Motor and Bearing Sleeve.	3		Install Beam.	4		Complete Beam Installation.	5		Install Landscape Beam.
6		Complete Landscape Beam installation.	7		Fasten solar panels by Inner Clamp Kit and End Clamp Kit.	8		Installation completed.						