



# Groundbreaking Technology for Photovoltaic Systems



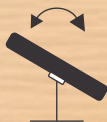
SMARTTRACK always keep solar panels aligned to the Sun at an optimal angle, giving maximum yield on your investment



- » Solar Panels are placed in North-South Axis. Tracker moves from East to West
- » Can be installed on uneven land surface
- » Modular and independent Tracking rows allow easy maintenance
- » Maintenance free polymer bearings (no oiling, greasing, required)
- » Remote Monitoring of trackers
- » Designed to withstand 180 Km/hr. wind load and 3 sec. wind gust at 200 Km/hr
- » Customized tracking solutions configurable and available as per requirement



No Maintenance  
Long Life of Tracker



Self Powered East-  
West Tracker



Fully Automated  
Tracking



Low Cost and shorter  
Payback Period

Maximum return from Minimum Investment

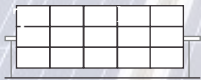


## Technical Specifications

|                    |   |
|--------------------|---|
| DC Capacity        | 32 - 38 kWp per tracking row  |
| Tracking Range     | ± 50°   |
| Controls           | Fully-automated self-powered Row Control Unit (RCU) per tracker Master Control Unit (MCU) |
| Storm Protection   | Panels tilted horizontally to Ground in Safe Position                                     |
| Drive System       | Self Locking Gears  |
| Installation       | Rapid field assembly with no onsite welding   |
| Foundation Type    | Driven pier/ concrete pile to withstand 180 km/hr winds                                   |
| Block Dimensions   | Fully Configurable, based on Site Dimensions  |
| Modules Supported  | Most commercially available modules (including frameless thin film)                       |
| Structure Material | Hot-Dipped galvanized MS Structure  |
| Structure Assembly | Simple modular design, not requiring crane/welding work at site, saving installation time |
| Warranty           | 5 year warranty on structure  |

## Configurable Tracker Design

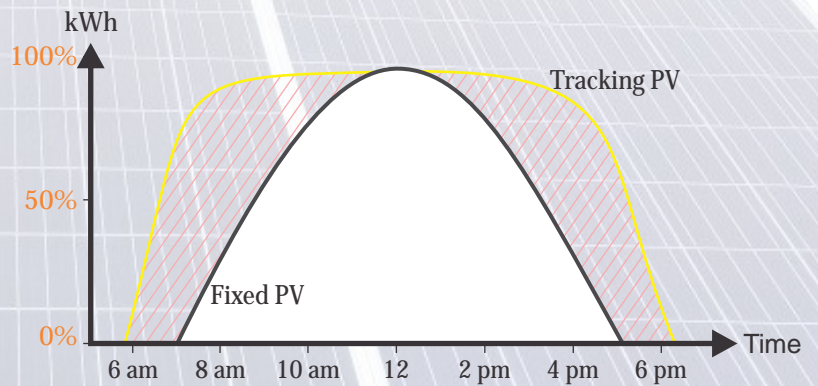
Each tracker can operate 8 blocks of Solar PV Panels. Blocks of panels can be configured as per customers requirement and ground space available.



3X5 block of panels  
in landscape mode



2X8 block of panels  
in portrait mode



\* Yield will vary as per site weather conditions

## Precise Tracking

- » Astronomical Tracking with self-calibration
- » Back tracking
- » Self Solar Powered Trackers
- » Minimum Maintenance
- » Automatic Wind Storm Protection
- » Row to row automatic shadow detection

## Robust Structure

- » Hot Dip Galvanized Structure with 80 micron coating
- » Self-lubricating Polymer Bearings
- » Least Structural Weight per MW
- » Designed to withstand wind loads upto 180 Km/hr

## Contact us

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