



ASUN SINGLE AXIS TRACKER

Designed
in collaboration with
IIT Delhi

- Consistent performance across all seasons.
- Tracks the sun East to West
- Designed to withstand wind speeds upto 170 kmph
- Highly optimised structural design with high terrain adaptability
- A performance gain of upto 20% over the Fixed Tilt Installation

Innovative design delivers higher performance with Bi-facial modules as compared to any other MMS.

For more information visit:
www.asuntracker.com

Or write to:
info@asuntracker.com

**COST EFFECTIVE PERFORMANCE
WITH HIGHER LAND USE**

ASUN SINGLE AXIS SOLAR TRACKER

TECHNICAL DATA SHEET

■ ELECTRONICS

| | |
|---------------------------|---|
| Power | : AC/DC/Self |
| Tracking Technology | : Smart Tracking (East-West) |
| Tracking Method | : Based on Sun position, GPS, Date & Time |
| Controller Feature | : Self configuring, tracks E-W |
| Tracking Accuracy | : Typical $\pm 1^\circ$ |
| Tracking E-W angle | : $\pm 45^\circ$ |
| Tracking S angle | : Based on location |
| Backtracking | : Along E-W |
| Night Time | : Stow position (0° to 10°) |
| High Wind | : Stow position (0° to 10°) |
| Rain/Snow | : Safe position (0° to 10°) |
| Remote Monitoring | : Through website |
| Control Method | : Wired/ Wireless(optional) |
| Protection | : IP65/66 |
| Operating Temperature | : Tested to 60°C |
| Power Backup for Tracking | : Uninterruptible power supply |
| Power Consumption | : $<1\%$ of system output |
| Spares | : Actuator 1 set, controller 1 set |

■ MECHANICAL

| | |
|-----------------------|---|
| Module Configuration | : Portrait Single |
| Module Compability | : Compatible with all standard modules |
| Accommodation | : 20, 25, 30 modules in a row |
| Tracking Accuracy | : Typical $\pm 1^\circ$ |
| Ground Slope N-S | : Unlimited |
| Ground Slope E-W | : 10° - 20° |
| Material Structure | : MS (Hot dip galvanized) |
| Bearing | : Self Lubricating Polymer |
| Hardware | : HDG-Zinc Coating |
| Wind load | : 170 kmph, stow position above 60 kmph |
| On site welding | : Not Required |
| Ground Coverage Ratio | : Configurable, typical 1:0.60 |
| Useful design life | : Over 25 years |

■ WARRANTIES

| | |
|-------------|------------|
| Electronics | : 2 Years |
| Actuators | : 2 Years |
| Structure | : 10 Years |

Contents subject to change without prior notice

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For more information, please contact on the coordinates given alongside.



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