

FULLY CUSTOMIZABLE SINGLE AXIS SOLAR TRACKER

Engineered for EPC · Utility Scale · IPP Projects

High Yield | Structural Safety | Smart Control | 25+ Years Design Life

1 Module mounting system

Compatible with Mainstream PV Modules

- Portrait / landscape layout
- 182 / 210 module compatible
- Single-row configuration
- Steel rails

- ✓ Flexible layout
- ✓ Easy installation
- ✓ Lower BOS cost

2 Foundation

Adaptable to all soil conditions

- Concrete foundation
- Customizable
- Pile length autremizable
- C3/ C4/ C5 anti-corrosion grade

- ✓ Reduce civil cost
- ✓ Faster installation
- ✓ Meet local structural codes



4 Bearing system

Maintenance-optimized design



- Self-aligning bearing
- Slewing bearing option
- Dust & sand resistant design

- ✓ Desert & coastal adaptable
- ✓ Reduced O&M cost
- ✓ Long-term stability

5 Drive system

Stable & Intelligent Tracking

- Slew drive
- Optional:
 - Backtracking algorithm
 - Wind protection mode
 - Slew Drive + Damper



- ✓ Increase power generation 15-25%
- ✓ Lower failure rate
- ✓ Intelligent safety protection

6 Smart control system

Bankable & data-driven

Optional integration:

- Zigbee/RS485
- Weather station
- Real-time monitoring platform
- Remote diagnostics

- ✓ Investment-grade design
- ✓ Higher financing approval rate
- ✓ Full lifecycle data tracking

Why EPC & IPP clients choose SUPER SOALR

- ✓ Structural calculation report provided
- ✓ 3rd-party certification support
- ✓ Custom design within 48 hours
- ✓ Global project experience



SGS Inspected | Production Completed

3 Structure height & span

Optimized land utilization

- Adjustable ground clearance
- Span length customizable
- Max tracker length optimized

- ✓ Agri-PV compatible
- ✓ Reduce steel consumption
- ✓ Maximize land efficiency

Wind Speed: up to 60m/s

Snow Load: up to 1.6KN/m²

Tracking Angle: ±45° / ±60°

Material: Q235B / Q355B HDG Steel

Design Life: 25 Years

(Customizable Based on Project Location)

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7 Torque tube

High torsional rigidity structure

- Square tube
- Diameter & thickness customizable
- Hot-dip galvanized steel
- ≥80μm galvanization thickness

- ✓ Suitable for high wind regions
- ✓ 25+ years service life
- ✓ Low deformation rate



Solar Mounting System Customization Process

