The next-generation-now horizontal single-axis solar tracker

One Track
Zero Gap

Soltec

SF7

The next-generation-now horizontal single-axis solar tracker
TECHNICAL DATASHEET

MAIN FEATURES

**Tracking System**  
Horizontal Single-Axis with independent rows

**Tracking Range**  
up to ±60°

**Drive System**  
Enclosed Slewing Drive, DC Motor

**Power Supply**  
PV Series Self-powered Supply 2.0
Optional: 120/240 Vac or 24 Vdc power-cable

**Tracking Algorithm**  
Astronomical with TeamTrack® Backtracking

**Communication**  
Open Thread  
Full Wireless  
Optional: RS-485 Full Wired  
RS-485 cable not included in Soltec scope

**Wind Resistance**  
Per Local Codes

**Land Use Features**
- Independent Rows: YES  
- Slope North-South: up to 17%  
- Slope East-West: Unlimited  
- Ground Coverage Ratio: Configurable. Typical range: 30-50%

**Foundation**  
Driven Pile | Ground Screw | Concrete

**Temperature Range**
- Standard: -19°F to +131°F | -20°C to +55°C  
- Extended: -40°F to +131°F | -40°C to +55°C

**Availability**  
>99%

**Modules**
Standard: 72 / 78 cells  
Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others)

MODULE CONFIGURATIONS

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<td>(95’ 10&quot;)</td>
<td>(13’ 4&quot;)</td>
<td>(13’ 4&quot;)</td>
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<tr>
<td>2x28</td>
<td>29.2 m</td>
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<tr>
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SERVICES

- Pull Test Plan
- Factory Support Plan
- Onsite Advisory Plan
- Construction Plan
- Commissioning Plan
- Operation & Maintenance Plan
- Tracker Monitoring System Plan
- Solmate Customer Care

MAINTENANCE ADVANTAGES

- Self-lubricating Bearings
- Face to Face Cleaning Mode
- 2x Wider Aisles

WARRANTY

- Structure: 10 years (extendable)
- Motor: 5 years (extendable)
- Electronics: 5 years (extendable)

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