



SF ONE SINGLE-AXIS TRACKER

The 1P tracker by Soltec



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Monitoring & Control references on this document are subject to availability. Alternative electronics could be finally provided for your project if needed

TECHNICAL DATASHEET

MAIN FEATURES

Tracking System	Two-row Horizontal Single-Axis Tracker*
Tracking Range	up to $\pm 60^\circ$
Drive System	2 Irreversible Slewing Drives, DC Motor
Power Supply	Self-powered with dedicated panel Optional: 120/240 Vac or 24 Vdc power-cable
Tracking Algorithm	Astronomical Algorithm
Communication	Full Wireless Optional: RS-485 Full Wired RS-485 cable not included in Soltec scope
Wind Resistance	Per Local Codes
Land Use Features	
North-South slope	15%
East-West slope	Configurable
Ground coverage radius	Configurable. Typical range: 32-60%
Foundation	Driven Pile Ground Screw Concrete
Temperature Range	
Standard	-4°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)

*possibility of independent rows

SERVICE PLANS

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

MAINTENANCE

- Self-lubricating Bearings
- Face to Face Cleaning Mode
- Fewer parts and fastenings

WARRANTY*

- Structure 10 years
 - Motor 5 years
 - Electronics 5 years
- *extendable under quotation

- **Dy-Wind design implemented**
- **Asymmetric backtracking included as standard**
- **CPP wind tunnel proved**
- **Wire management available**

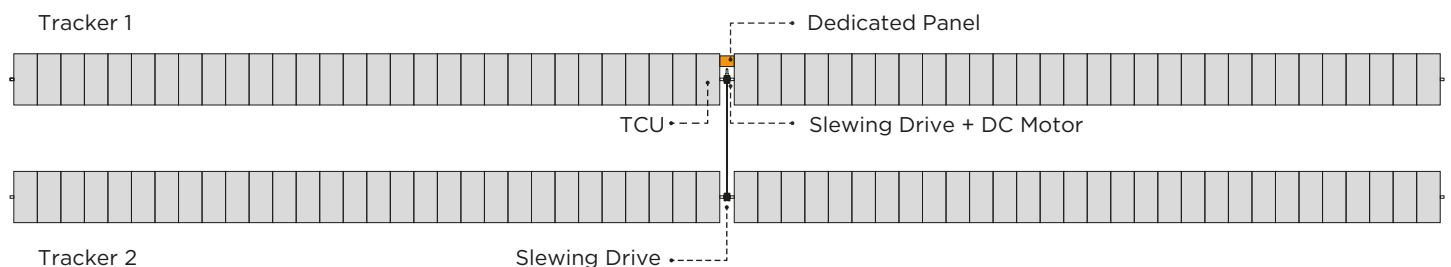
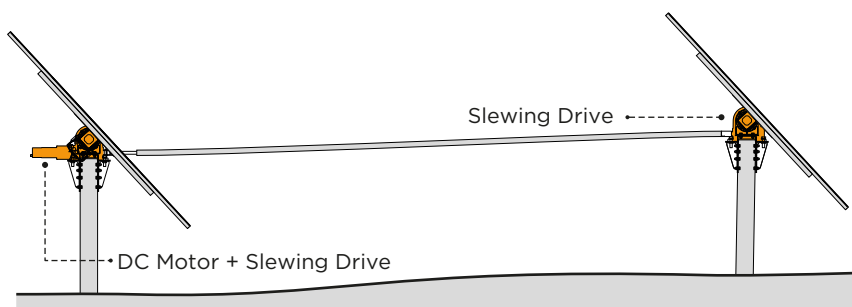
CONFIGURATION

DIMENSIONS*

2x1Px60

- Length: up to 75m (246' 1")
- Height: 1.5m (6' 8")
- Width: 2 - 2.5m (6' 74" - 8' 43")

*Approximate Dimensions



SOLTEC POWER HOLDINGS SA

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