

SOLTEC

SFONE 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.
This document is of a commercial nature and the characteristics reflected are not binding for specific projects. The characteristics of the product will be specified in the final documentation of each project.

TECHNICAL DATASHEET

SFONE SINGLE AXIS TRACKER

MAIN FEATURES

Tracking System	Two-row Horizontal Single-Axis Tracker*
Tracking Range	up to ± 60°
Drive System	2 Irreversible Slewing Drives, DC Motor
Power Supply	Self-powered with pony panel Optional: 120/240 Vac or 24 Vdc power-cable
Tracking Algorithm	Astronomical Algorithm Optional: Asymmetric Backtracking
Communication	Full Wireless
Wind Resistance	Operation Wind Speed: 60 km/h as Standard Optional: other wind speed can be studied STOW Wind Speed: According to project site
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
Modules	Compatible with Tier 1 Module manufacturer

*possibility of independent rows

SERVICE PLANS

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

MAINTENANCE

- Self-lubricating Bearings
- Face to Face Cleaning Mode
- Reduced number of parts and fasteners
- Installable with standard tools

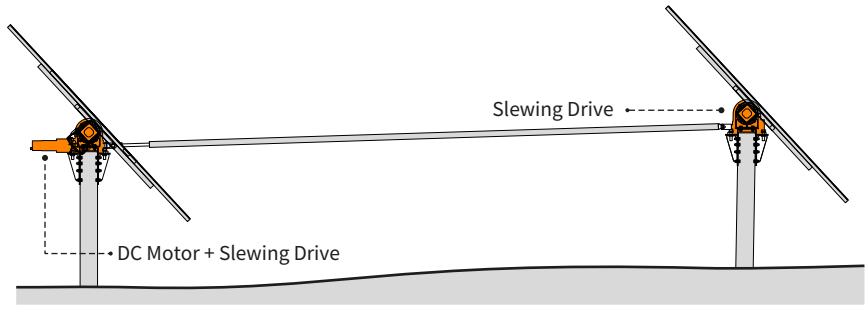
WARRANTY*

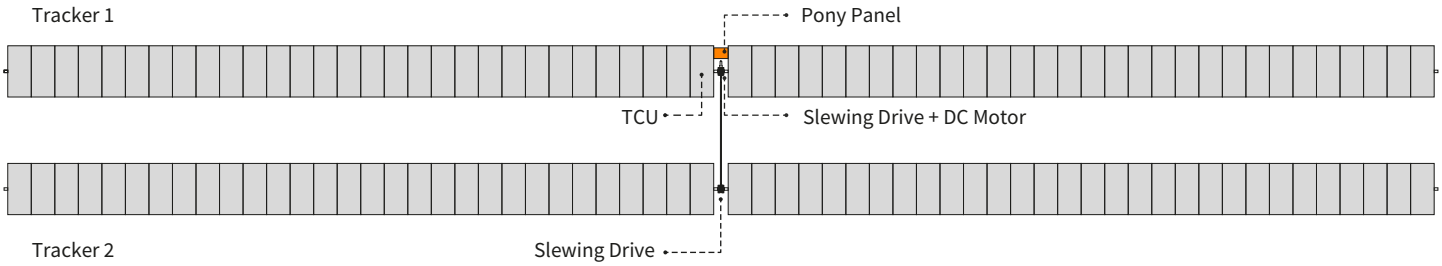
- Structure 10 years
- Motor 5 years
- Electronics 5 years

*extendable under quotation

- **Dy-Wind design implemented**
- **RWDI Wind Tunnel Tested**
- **CPP Wind Tunnel Tested**
- **Wire management available**
- **IEC 62817 certificates**
- **UL 3703 certificates**

CONFIGURATION





DIMENSIONS*

up to **2x1Px90**

- Length: up to 105m (344' 6")
- Axis height: 1,4 - 2,1m (4' 7" - 6' 10")
- Width: 2.1 - 2.5m (6' 10" - 8' 2")

*Approximate Dimensions

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