

# SFOO | SINGLE-AXIS TRACKER

Otherworldly Tracker: Engineered for greatness



Background image taken by NASA at Mars. Contents subject to change without prior notice © Soltec Energías Renovables • SF8.201105.V4

PATENT PENDING



# SINGLE-AXIS TRACKER TECHNICAL DATASHEET

## MAIN FEATURES

<b>Tracking System</b>	Horizontal Single-Axis with independent rows
<b>Tracking Range</b>	up to $\pm 60^\circ$
<b>Drive System</b>	Enclosed Multidrive System, DC Motor
<b>Power Supply</b>	PV Series Self-powered Supply 2.0 Optional: 120/240 Vac or 24 Vdc power-cable
<b>Tracking Algorithm</b>	Soltec's TeamTrack™ with NREL SPA's astronomical data
<b>Communication</b>	Open Thread Full Wireless Optional: RS-485 Full Wired RS-485 cable not included in Soltec scope
<b>Wind Resistance</b>	Per Local Codes
<b>Land Use Features</b>	
Independent Rows	YES
Slope North-South	up to 17%
Slope East-West	Unlimited
Ground Coverage Ratio	Configurable. Typical range: 30-50%
<b>Foundation</b>	Driven Pile   Ground Screw   Concrete
<b>Temperature Range</b>	
Standard	- 4°F to +131°F   -20°C to +55°C
Extended	-40°F to +131°F   -40°C to +55°C
<b>Availability</b>	>99%
<b>Modules</b>	Standard: 72 / 78 cells   Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others)

## SERVICE PLANS

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

## MAINTENANCE

- Self-lubricating Bearings
- Face to Face Cleaning Mode
- 2x Wider Aisles
- Fewer parts and fastenings

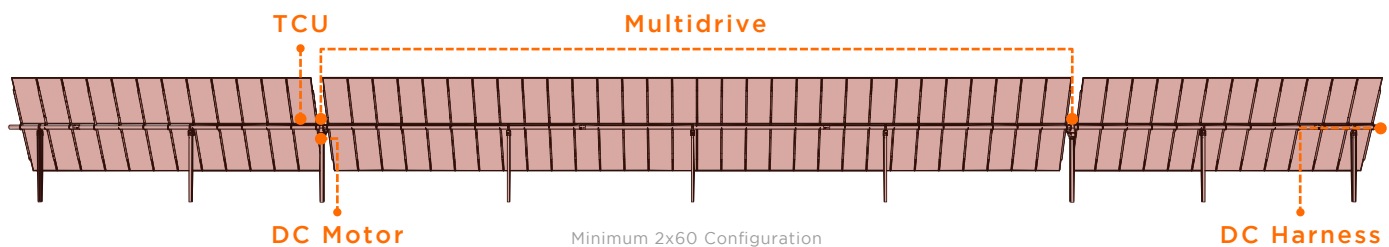
## WARRANTY

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

**B&V Bankability report**  
**DNV GL Technology**  
**Review available**  
**RWDI WIND TUNNEL TESTED**

## MODULE CONFIGURATIONS Approximate Dimensions, scalable to bigger modules

<b>2x56</b>	Length 58.0 m (190' 5")	<b>2x84</b>	Length 87.1 m (286' 8")
<b>2x58</b>	Length 60.1 m (197' 2")	<b>2x87</b>	Length 90.1 m (296' 9")
<b>2x60</b>	Length 62.1 m (204' 10")	<b>2x90</b>	Length 93.2 m (306' 9")
Height 4.1 m (13' 7")		Width 4.2 m (13' 10")	



**SPAIN / HQ**  
info@soltec.com  
+34 968 603 153

**UNITED STATES**  
usa@soltec.com  
+1 510 440 9200

**MEXICO**  
mexico@soltec.com  
+52 1 55 5557 3144

**PERU**  
peru@soltec.com  
+51 1422 7279

**AUSTRALIA**  
australia@soltec.com  
+61 2 9275 8806

**ARGENTINA**  
argentina@soltec.com  
+54 9 114 889 1476

**SPAIN / Madrid**  
emea@soltec.com  
+34 91 449 72 03

**BRAZIL**  
brasil@soltec.com  
+55 071 3026 4900

**CHILE**  
chile@soltec.com  
+56 2 25738559

**INDIA**  
india@soltec.com  
+91 124 4568202

**CHINA**  
china@soltec.com  
+86 21 66285799

**DUBAI**  
dubai@soltec.com

