Soltec
SF7
One Track
Zero Gap
The next-generation-now horizontal single-axis solar tracker
LISTED
[PV SOLAR TRACKER]
E476668
SGS
ANATEL
07441-17-10783
TÜVRheinland
CERTIFIED
IEC 62817
INTI
FINAME
BNDES

TECHNICAL DATASHEET

SF7

Single-Axis Tracker

MAIN FEATURES

Tracking System	Horizontal Single-Axis with independent rows
Tracking Range	up to ± 60°
Drive System	Enclosed Slewing Drive, DC Motor
Power Supply	Self-Powered PV Series Optional: AC/DC Universal Input
Tracking Algorithm	Astronomical with TeamTrack Backtracking
Communication	
Wire	RS-485 Full Wired RS-485 not included in Soltec scope
Optional: Wireless	Hybrid Radio + RS-485 Cable
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	- 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 cells | Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others)

MODULE CONFIGURATIONS Aproximate Dimentions

	Length	Height	Width
2x28	28.2 m (92' 6")	3.95 m (12' 12")	3.92 m (12' 10")
2x29	29.4 m (96' 5")		
2x30	30.8 m (101' 59")		

	Length	Height	Width
2x42	42.1 m (138' 12")	3.95 m (12' 12")	3.92 m (12' 10")
2x43.5	44.1 m (144' 8")		
2x45	45.1 m (147' 12")		

SERVICES

Pull Test Plan	Commissioning Plan
Factory Support Plan	Operation & Maintenance Plan
Onsite Advisory Plan	Tracker Monitoring System Plan
Construction 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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