



SF7 | Single-Axis Tracker

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



TECHNICAL DATASHEET



Single-Axis Tracker

MAIN FEATURES

Tracking System	Horizontal Single-Axis with independent rows
Tracking Range	± 55° Optional: ± 60°
Drive System	Enclosed Slewing Drive, DC Motor
Power Supply	Dedicated Panel Optional: 120/240 Vac or 24 Vdc power-cable
Tracking Algorithm	Astronomical Algorithm with Asymmetric Backtracking
Communication	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	Configurable
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 / 78 cells Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others)

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

MODULE CONFIGURATIONS Approximate Dimensions

	Length	Height	Width		Length	Height	Width
2x28	29.2 m (95' 10")	4.1 m (13' 4")	4.1 m (13' 4")	2x42	43.6 m (143')	4.1 m (13' 4")	4.1 m (13' 4")
2x29	30.2 m (99' 1")			2x43.5	45.6 m (149' 7")		
2x30	31.4 m (103')			2x45	46.7 m (153' 3")		

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
Motor 5 years
Electronics 5 years

*extendable under quotation

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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