



SF7 TANDEM

Squared efficiency: The first 2P linked tracker



TECHNICAL DATASHEET



MAIN FEATURES

Tracking System	Two-row Horizontal Single-Axis Tracker
Tracking Range	up to $\pm 60^\circ$
Drive System	2 Enclosed Slewing Drives, 1 DC Motor
Power Supply	AC/DC Universal Input Optional: Self-Powered PV Series
Tracking Algorithm	Astronomical with TeamTrack Backtracking
Communication	RS-485 cable not included in Soltec scope
Wire	RS-485 Full Wired
Wireless optional:	Hybrid Radio + RS-485 Cable Full Wireless
Wind Resistance	Per Local Codes
Land Use Features	YES
Slope North-South	up to 17%
Slope East-West	up to 25%
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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MODULE CONFIGURATIONS Aproximate Dimentions

	Length	Height	Width		Length	Height	Width
2x2x28	29.2 m (95' 10")	4.1 m (13' 4")	4.1 m (13' 4")	2x2x42	43.6 m (143')	4.1 m (13' 4")	4.1 m (13' 4")
2x2x29	30.2 m (99' 1")			2x2x43.5	45.6 m (149' 7")		
2x2x30	31.4 m (103')			2x2x45	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 (extendable)
Motor 5 years (extendable)
Electronics 5 years (extendable)



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