



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	up to $\pm 60^\circ$		
Drive System	Enclosed Slewing Drive, DC Motor		
Power Supply	PV Series Self-powered Supply 2.0 Optional: 120/240 Vac or 24 Vdc power-cable		
Tracking Algorithm	Astronomical with TeamTrack® Backtracking		
Communication	Open Thread	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		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 / 78 cells Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others)		

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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 (extendable)
Motor 5 years (extendable)
Electronics 5 years (extendable)



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