



# SF7 | One Track Zero Gap

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



# TECHNICAL DATASHEET



## MAIN FEATURES

<b>Tracking System</b>	Horizontal Single-Axis with independent rows
<b>Tracking Range</b>	120° +
<b>Drive System</b>	Enclosed Slewing Drive, DC Motor
<b>Power Supply</b>	AC/DC Universal Input Optional: Self-Powered PV Series
<b>Tracking Algorithm</b>	Astronomical with TeamTrack Backtracking
<b>Communication</b>	
Wire	RS-485 Full Wired
Optional: Wireless	Hybrid Radio + RS-485 Cable
<b>Wind Resistance</b>	Per Local Codes
<b>Land Use Features</b>	
Independent Rows	YES
Slope North-South	17%
Slope East-West	Unlimited
Ground Coverage Ratio	Configurable. Typical range: 28-50%
<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 cells   Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others); Bifacial

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## MODULE CONFIGURATIONS

1000V	Length	Height	Width	1500V	Length	Height	Width
2x38	38.1 m (124' 12")	3.95 m (12' 12")	3.92 m (12' 12")	2x42	42.1 m (138' 12")	3.95 m (12' 12")	3.92 m (12' 10")
				2x43.5	44.1 m (144' 8")		
2x40	40.1 m (131' 7")	2x45	45.1 m (147' 12")				

## SERVICES

Tracker Advisory Services	Tracker Turnkey Contracting
Technical Support	Commissioning
Pull Test	Maintenance

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

## 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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