

# SF UTILITY SOLAR TRACKER

## > **COST EFFECTIVENESS**

A cost-effective installation is assured beginning with the lowest piles-per-MW spec on the market combined with the widest range of installation and assembly tolerances that reduce all aspects of civil works, installation labor, and machine costs.

## > **HIGHER YIELD**

Higher yield is enabled by less array-gap on the tracker and less site-gaps on the ground, along with the widest tracking range of 120°+ and TeamTrack asymmetric backtracking control.

## > **GREATER LAND-USE OPTIONS**

SF Utility provides greater land-use options that enable greater site-fill even on irregular land, and reduced civil works that minimize costs and environmental impact issues including earth grading and emissions of carbon dioxide. Moreover, SF Utility standard steep-slope tolerance of 17% NS and short-track configuration makes for simple installation where others simply cannot install without special cost.

## > **FACTORY SERVICED**

SF Utility is Factory Serviced with dedicated customer project support in plant design and factory response, and onsite services including tutelage, supervision, logistics, training, commissioning, and regionally available installation and O&M contracting.



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## Technical Datasheet

### MAIN FEATURES

Tracking System	Horizontal Single-Axis with independent rows
Tracking Range	120° +
Drive System	Enclosed Slewing Drive, DC Motor
Power Supply	AC/DC Universal Input Self-Powered with Battery Backup
Tracking Algorithm	Astronomical with Adaptive Backtracking
Communication	
Wire	RS485 Cable between Trackers and Gateway
Wireless	Wireless Mesh Network
Wind Resistance	Per Local Codes
Land Use Features	
Independent Rows	YES
Slope North-South	17%
Slope East-West	Unlimited
Ground Coverage Ratio	Configurable. Typical range: 28-50%
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%
Tracker Installation Service	YES
Modules	Standard: 72 cells   Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others); Bifacial

### TYPICAL MODULE CONFIGURATIONS

#### 1000V

	Length	Height	Width
2x38	127' 7" (38.9 m)		
		12' 10" (3.9 m)	12' 10" (3.9 m)
2x40	123' 4" (37.6 m)		

#### 1500V

	Length	Height	Width
2x42	141' (43 m)		
2x43.5	146' 2" (44.8 m)	12' 10" (3.9 m)	12' 10" (3.9 m)
2x45	150' 7" (45.9 m)		

### MAINTENANCE

Self-lubricating Bearings	YES
Face to Face Cleaning Mode	YES
Maintenance Service	YES

### WARRANTY

Structure	10 years (extendable)
Motor	5 years (extendable)
Electronics	5 years (extendable)



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