



Slopes up to 30%



Increased energy density



Short tracker tables



Eliminate earthwork



Optimized tracking accuracy



Smart monitoring & control

Versatile Tracking Solutions

Solargik's systems fuse intelligent tracking algorithms, adaptable structures, and high-density design to overcome modern solar challenges: land scarcity, grid congestion, high capital expenses, and changing market dynamics.

Choose Solargik to unlock unmatched versatility and profitability for your solar projects.

Unlock Challenging Terrain

Slopes up to 30%, eliminate earthwork, build up to 15' (5m) height

With short tracker tables, Solargik offers a fundamentally improved design that enables installation on steep slopes and complex terrain without costly grading.

Increase Power Density

Modular building blocks for land optimization

Unlike traditional long-row trackers, Solargik's modular design (8-24 panels) can fill every corner of asymmetrical and oddly shaped site layouts and thereby increase installed capacity. By maximizing land use and enabling design flexibility, Solargik makes projects financially viable on constrained or expensive land.

Maximize Energy Yield

Tailored smart tracking algorithms & site control

Solargik's integrated advanced software and unique, shorter 2-in-landscape tracker design enables higher tracking accuracy. With multiple and independent shorter tables in a row, Solargik's site control optimizes energy yield, reduces shading, and enhances bifacial performance.





Structural & Mechanical		Tracker & Site Control		
Architecture	2-in-Landscape Tracker length: 8-24 modules Tracker height: 1.3m - 5m / 4.2ft - 16.4ft	Tracker controller	Individual tracker control module electronics & embedded software	
Tracking range	-60° to +60° (increased range optional)	Site control	Central and zone controllers	
Integrated drive unit	Grid powered (low voltage DC) / Self-powered with battery back-up	Communication	Wifi 2.4 GHz, WiFi Mesh, ethernet between central and zone controls	
Drive type	Stepper motor with three gear cascade	Tracking method Astronomical algorithm, backtracking, smart backtracking,		
Total weight	9.5kg / 21lbs		and diffuse optimization	
Foundations	Compatible with all foundation types	Solargik SCADA System - SOMA	Solargik SCADA system with web-based monitoring and control platform, optional Agri-PV control interface	
Materials	Pre-galv steel, HDG steel and other coatings as required	SCADA Interface	SOMA site control, optional Modbus API to third-party SCADA	
Slope	N-S: up to 30% E-W: Any slope			
Ground coverage ratio (GCR)	Typical range 30-65%	Sensors	Standard: irradiance, wind speed, PTZ camera viewable via SOMA, Optional: wind direction, snow sensor	
Wind Speed	ASCE 7-22			
	Standard operating wind load 170kph / 105mph (3-sec. gust) Special Design up to 240 kph / 150mph (3-sec. gust)	Testing & Certifications		
Wind protection	Automatic stow	Certifications	IEC 62817	
Tracking Accuracy	2°		CE certified	
Operating Temperature	-25°C to +50°C / -13°F to 122°F	Third party assessments	RWDI wind tunnel testing Black & Veatch bankability assessment	

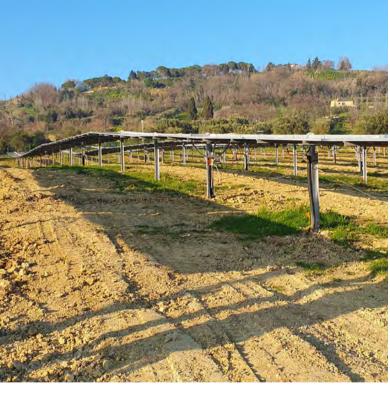
Installation, Service & Warranty		
Maintenance	Zero scheduled maintenance, SOMA UI for monitoring and control	
Warranty	Structural - 10 years Drive unit - 5 years	
Installation	Simple on-site installation with pre-assembled drive unit	
Services	Preliminary layouts and site design optimization Structural calculations and foundation design Installation and commissioning support	

Agrivoltaics Tracker	
Height	up to 5m / 16ft, special design up to 6.5m / 21ft;
Tracking range	-60° to +60° (90° optional)
Agrivoltaics tracking method	Customizable anti-tracking
Agrivoltaics SCADA System	Agricultural monitoring and control, ability to set shading plans, model crop irradiance, and integrate agricultural sensors
Agricultural Station	Sensor integrations: PAR, air temperature and humidity, dendrometer, rain, soil humidity, and additional sensors available via data logger
Services	Agricultural irradiance modeling and site planning
Third party assessments	RWDI wind tunnel testing for the elevated trackers





Independent Assesment





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