

TerraTrak 1P is designed for fewer foundations per MW and reliable performance. Our smart engineering allows for fewer parts and faster installation. The foundation agnostic design ensures reliable results in any terrain. With 80% of the parts shared with TerraTrak 2P, you're ensured proven quality and performance.



TerraTrak 1P

Reduced structure and foundation loads

- 30%-50% fewer foundations and materials required
- Reduced static and dynamic wind loads due to a new, innovative zero-degree stow strategy
- Over 500 hours of comprehensive wind tunnel testing with RWDI



Electrician's favorite tracker

- · Easy wire management design for faster wire installation
- Designed to save on skilled labor
- · Efficient wire layout requires less materials



Proven reliability from over 500 MWs of experience

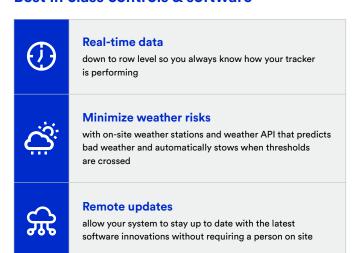
- · A-frame, legs, gear box, torque tube, controllers and more shared with TerraTrak 2P design
- Tested in the most challenging conditions and terrains

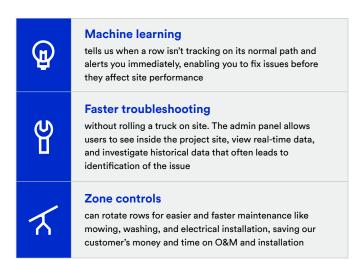
Faster installation at no additional cost

- 30% fewer parts
- · Spherical bushings for quick and efficient torque tube alignment
- 73% reduction in bushing assembly parts



Best in class controls & software







Specifications

Module orientation	1 module in portrait
Tracker range of motion	100°
Torque tube slope	N/S: Up to 10%
Foundation	Driven pile and ground screw
Wind load	Up to 150 mph
Snow load	Up to 100 psf
Optimized* mechanical dimensions	18" ground clearance / 12" grade height variation
Foundations per row	≥7
Stow strategy	Reduced static and dynamic wind loads due to a new, innovative 0 degree stow strategy
Weather monitoring	Wind speed, snow depth, flood height, predictive analytics
Torque tube height	≥4 feet
Corrosion	ISO 9223 C2, C3

Independent row design / 12 VDC motorized slew drive / zero grid power consumption
Self-aligning spherical design / high impact polymer / lubricant-free, dry bushings
Standard sizes / self-locking / no special tools required
HDG, inline, pre-galvanization, powder coating
Flexible installation allows market leading adjustability
Highly advanced BMS hardware & software
Compatible with large format modules
UL3703
10 year structural, 5 year on drive and control system, 20 years on screw foundations, extended terms available

^{*}Optimized means the design is most cost efficient in this configuration (60 modules, 2 string). Higher loads can be accommodated with an engineering review.

80% of the parts are proven on over 500 MWs of installed capacity with our TerraTrak 2P

The same quality and reliable parts:		
A-frame	Bracing	
Legs	Network controller	
Gear box	Row box	
Torque tube	Weather station	
Part of the module mounting assembly	Sensors	
Self-locking hardware	TerraTrak cloud and dashboard	

