

TerraTrak 2P



Built tough for reliable performance, TerraTrak 2P will maximize energy output and returns, conquering even the most challenging sites. Employ PV where you never thought possible through durable mechanics and intelligent control technology.

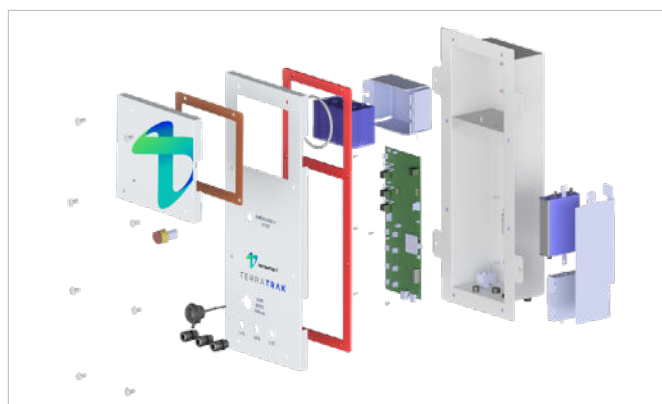


Durable Mechanics

- Eliminate refusal risk with a tracker that is compatible with ground screws or driven piles
- Significantly reduce grading with racking that can accommodate 20% N/S slopes and unlimited E/W slopes and an adaptable a-frame with legs that have 36" of adjustability
- Ensure reliable performance in extreme weather with a durable a-frame, torque tube, gear box, and self-locking hardware that increases strength
- Structurally optimized tracker rows and reduced part count simplify installation, making it easy and affordable to employ PV anywhere
- Comprehensive wind tunnel analysis and patent pending self-locking hardware increase stability during weather events
- Proprietary torque tube significantly reduces pounds per foot and loading in max capacity, yielding lower material costs and increased strength



Real-time insights



Seamless wireless communication

Intelligent Controls

- Backtracking with machine learning reduces shading and increases energy production
- Minimize weather risks with on-site weather stations and smart weather forecasting
- Predictive analytics for easier O&M and less downtime

- Troubleshoot issues faster with remote site access
- Real-time monitoring with a user-friendly dashboard
- Support from an in-house team of experts that are quick to respond

Specifications

Module orientation	2 high in portrait
Tracking	120°
Range of motion	± 60°
Weather monitoring	Wind speed, snow depth, flood height, and predictive analytics
Corrosion	ISO 9223 C2, C3
Max slope grade	20% N/S, Unlimited E/W
Modules per row	Up to 93 standard framed modules (2m x 1m)
Foundations per MW	200-300
Drive system	Independent row design / 12 VDC motorized slew drive / Zero grid power consumption
Bushings	High impact polymer / Lubricant-free, Dry bushings
Bearing housings	Hard stop at each foundation / Integrated torque tube translation mitigation
Fasteners	Standard sizes / Self-locking / No special tools required

Material coating	HDG, Inline, Pre-galvanization, Powder coating
Electrical subsystem	Highly advanced BMS hardware & software
GCR	No minimum, typical 28% to 50%
Foundations	Ground screw, Driven piles
Wind load	Standard design wind speed: 105mph per ASCE 7, higher wind load available
Wind stow angle	60-degree stow
Snow load	Up to 100 psf
Flood clearance	66.6 inches (Grade = top of screw)
Leading edge	24.5 inches (Grade = top of screw)
Modules	Compatible with most standard modules and large format modules
Warranty	10 year structural, 5 year on drive and control system, 20 years on foundations, extended terms available
Certifications	UL3703, UL2703, & IEC 62817