

# 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

- Compatible with driven piles or ground screws, eliminating 100% refusal risk
- Adaptable frame can accommodate 20% N/S slopes and unlimited E/W slopes, significantly reducing grading costs
- Durable a-frame, torque tube, gear box, and self-locking hardware increase strength and ensure reliable performance in extreme weather
- 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



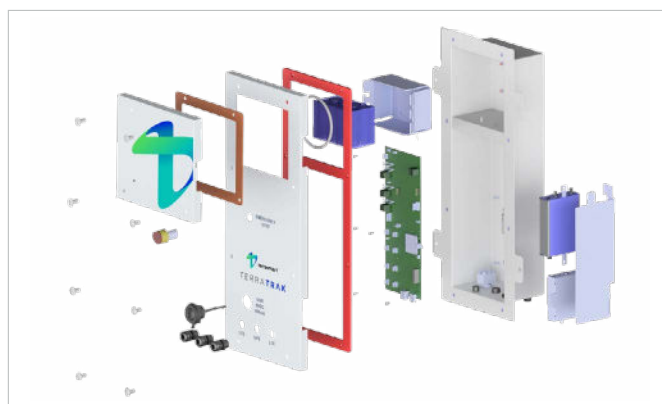
Real time insights

## 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

## Specifications

Module orientation	2 high in portrait
Tracking	120°
Range of motion	± 60°
Weather monitoring	Wind speed, snow depth, and flood height
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)
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



Seamless wireless communication

- 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

Adjustable foundations	Flexibility installation allows marketing leading adjustability
DC capacity per row	33.49kW, assuming 385W x 87 mods/row
Electrical subsystem	Highly advanced BMS hardware & software
Typical dimensions	Horizontal (93 module row @ 60°) Height: 2.95m / 9.67ft Width: 3.96m / 13ft Length: 47.8m / 156.8ft
GCR	No minimum, typical 28% to 50%
Foundations	Ground screw, Driven piles
Max wind speed	Configurable up to 135mph
Flood clearance	66.6 inches (Grade = top of screw)
Leading edge	24.5 inches (Grade = top of screw)
Warranty	10 year structural, 5 year on drive and control system, 20 years on screw foundations, extended terms available
Certifications	UL3703, UL2703, & IEC 62817