

# 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



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

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

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