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TerraTrak

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The first and only single axis tracker that allows you to turn unusable land into valuable assets. Built tough for reliable performance, TerraTrak will maximize energy output and returns conquering the most challenging sites. Employ PV where you never thought possible through durable mechanics and intelligent control technology.

Durable Mechanics

- Adaptable frame can accommodate frost susceptible soils, 20% N-S slopes, unlimited E-W eliminating 100% refusal risks
- 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 which increases stability during weather events
- Proprietary torque tube shape significantly reduces pounds per foot and loading in max capacity to yield in lower material cost and increased strength
- Field ready, lubricant-free with high durable plastics creates a simplistic, functional bushing housing to support the torque tube

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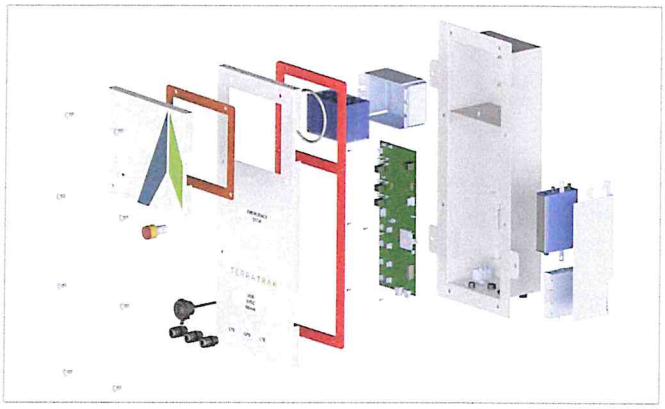

Intelligent Controls

- Proprietary and advanced performance monitoring and controls engineered with bi-directional communications provides real-time performance monitoring data to boost visibility and maximize energy production
- Reduce downtime with predictive analytics and machine learning which tells us when a row isn't tracking on its normal path
- Onsite weather stations monitor wind and snow conditions and automatically stow the site when thresholds are crossed. TerraTrak is also integrated with a weather API which allows us to forecast bad weather and proactively stow your sites before bad weather approaches
- Zone controls allow you to perform routine maintenance like mowing and washing on a portion of the site while the rest of your site continues tracking for optimum power generation
- The persistent cellular connection allows us to troubleshoot each site remotely without rolling a truck
- Row box, weather station, and network controller have been tested to U.S. military standards to ensure reliable operation in the most relenting environmental conditions

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

Adjustable foundations	Flexibility installation allows marketing leading adjustability
DC capacity per tow	33.49kW, assuming 385W x 87 mods/row
Grounding	Self-grounding racking
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