

INTRODUCING

TRACETM

BY  NEVADOS

The TRACE All Terrain Tracker[®] is the follow up
to the unparalleled success of the original
All Terrain Tracker[®] on challenging terrain sites.



TRACE™ is the culmination of input from hundreds of MWs of real-life installations and almost 5 million hours of accelerated life testing to deliver the most advanced tracker for challenging terrain.



38%

Faster to install than other trackers

We've listened to our customers. Not only does the TRACE™ tracker solution boast an even more simplified bill of material, more components now arrive pre-assembled from the factory for faster on-site operations. This means that 3rd party experts like Eclipse-M have found our tracker to require 38% less labor than other market relevant trackers.

50%

Faster to stow

The integrated mechanical stop in TRACE™ coupler enables bi-directional, automatic stow, resulting in up to 50% faster wind and hail stow, avoiding the tracker from having to go through 0°.

26%

Articulation at **every** post

The coupler technology between pile sections of the TRACE™ tracker allows the tracker row to articulate up to 15° or about 26% equivalent slopes. Since this articulation capability starts over at the next pile, you can build a tracker row on slopes up to 37%.

35%

Reduction in BOM

The innovative articulating coupler technology from Nevados has been updated to include an integrated mechanical stop, no longer needing a separate component to install. The coupler also uses inherent friction to provide dampening to a wind response, eliminating the need for an external damper. Other improvements include a cleaner, simplified cantilevered module option.

560 YRS

Accelerated life testing

The technology inside the TRACE™ tracker solution features extensive lab, highly accelerated life testing (HALT) to the tune of centuries worth of cumulative operating time.

IRA

Domestic content

The TRACE™ tracker solution will fully qualify as domestic content for the US market, helping our customers satisfy requirements for additional tax credits created by the Inflation Reduction Act.

To offer the best tracking solution for terrain challenged sites on the market, the TRACE All Terrain Tracker[®] features enhanced controls features to maximize energy production and reduce overall project risk.



The best part? **We don't charge extra for any of this.**

Project Risk Mitigation

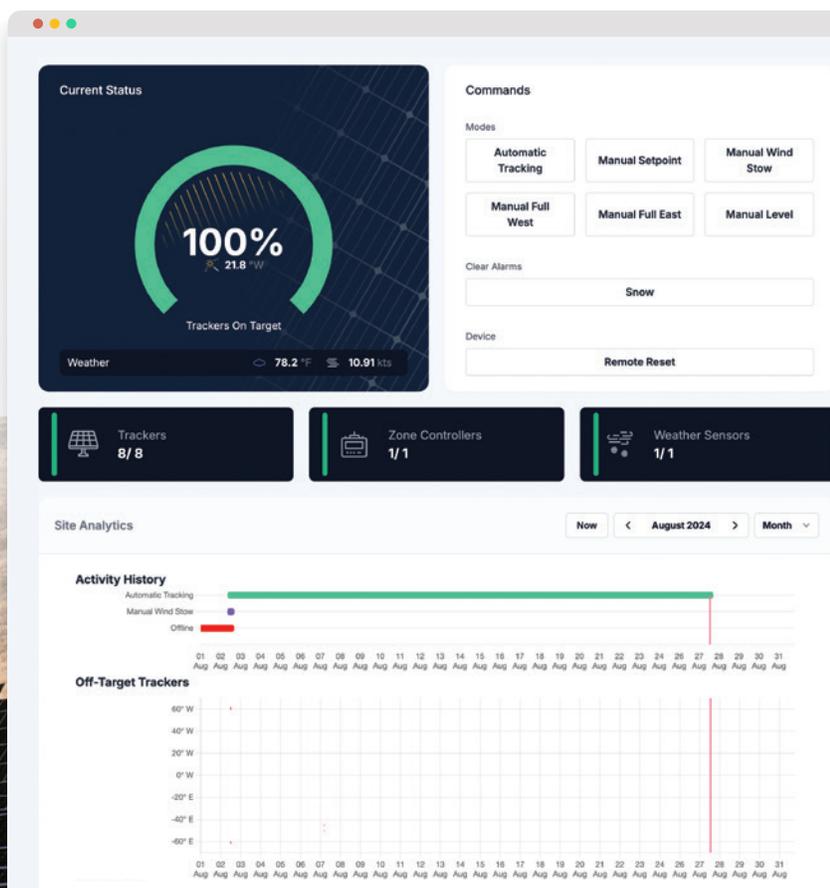
- The TRACE™ solution features bi-directional, automatic stow, resulting in up to 50% faster wind and hail stow, avoiding the tracker from having to go through 0°
- 75° Hail Stow reduces project risk by up to 11X compared to 50°
- Other features include flood, rain and system protection stow protocols

Terrain Optimized Energy Production

- 3D Terrain Backtracking – can reduce terrain effects of shading by up to 50% and included on every project for free
- Half-Shade Backtracking – split module schedules to increase annual yield by up to 0.5%
- Diffuse Boost with up to 0.65% annual yield increase for overcast/cloudy conditions

Customer Experience

- O&M Dashboard by Nevados features a clean and elegant tracker management system, including historical records access
- Reduced part count and factory pre-kitting of components simplifies on-site operations



ROW CONFIGURATION	<ul style="list-style-type: none"> • Up to 96 modules per row • 5 to 8 modules per bay
TRACKING ANGLE CAPABILITIES	<ul style="list-style-type: none"> • $\pm 60^\circ$ tracking expandable to $\pm 75^\circ$ tracking • Single row actuation with 24VDC slew drive
TERRAIN FOLLOWING	<ul style="list-style-type: none"> • Standard Coupling: 2.5° net angle change at each foundation • Articulating Coupling: 15° net angle change at each foundation • 37% max N-S and E-W slope
FOUNDATION	<ul style="list-style-type: none"> • I-Beam or ground screw foundations installed at consistent reveal throughout site
GROUND COVERAGE RATIO	<ul style="list-style-type: none"> • Configurable, typically greater than or equal to 28%
DESIGN LOADS	<ul style="list-style-type: none"> • Designed to applicable ASCE • Configurable to any wind speeds • Configurable to 50+ PSF snow load • Loads studied in wind tunnels for variable terrain; no external dampers required for wind dynamics
INCLUDED SERVICES	<ul style="list-style-type: none"> • Preliminary layouts and site design optimization • Structural calculations, IFC package and foundation design • 3D Terrain Backtracking • Half-Shade Backtracking (split module schedules) Diffuse Boost
OPERATING TEMPERATURE	<ul style="list-style-type: none"> • $-20^\circ\text{C} - 55^\circ\text{C}$
MODULE CONNECTION GROUNDING	<ul style="list-style-type: none"> • Self-grounding module brackets • UL2703 and UL3703
TOLERANCES	<ul style="list-style-type: none"> • Reveal height: $+4'' / -0''$, N-S: $\pm 1.5''$ (expandable), 2° vertical plumb, 5° twist • Flat-land: $\pm 12''$ vertical & E-W at each pile, may change based on neighboring foundations
CONTROLS	<ul style="list-style-type: none"> • Web-based dashboard for monitoring & operation with row-level control • SCADA integration via Modbus TCP/IP for monitoring & operation with row-level control • Wireless, self-powered row controllers and weather stations • AC-powered Zone Controllers
WARRANTY	<ul style="list-style-type: none"> • 10-year structural, 5-year drive & controls warranty

What hasn't changed?

No Adders - All the features and same market leading terrain capabilities, no additional cost. Nevados is expanding the capabilities of its solution to includes zero-shade backtracking, half-shade backtracking, diffuse boost, hail stow and others without ANY add-on fees.

