



## ALL TERRAIN TRACKER

# BECAUSE THE WORLD IS NOT FLAT

Nevados is the premier solar tracker company for PV power plants built on sloped and rolling terrain. We offer innovative all-terrain trackers paired with a comprehensive software suite in an integrated technology platform that optimizes solar performance, improves plant reliability and respects the natural landscape.

## SLOPE CHANGE AT EVERY PILE

BEARING TYPE	SLOPE CHANGE (%)
Straight-Through	$\pm 3.5$
Single Articulating	$\pm 13$
Double Articulating	$\pm 26$

### 1 FOLLOW THE LAND

- Industry's first and most capable terrain following tracker
- Eliminates civil grading & eases permitting
- Reduced pile length saves steel

### 3 MANAGE EXTREME WEATHER RISK

- Extensive wind tunnel studies on variable terrain
- 75° hail stow
- Integrated friction dampers for unparalleled wind performance

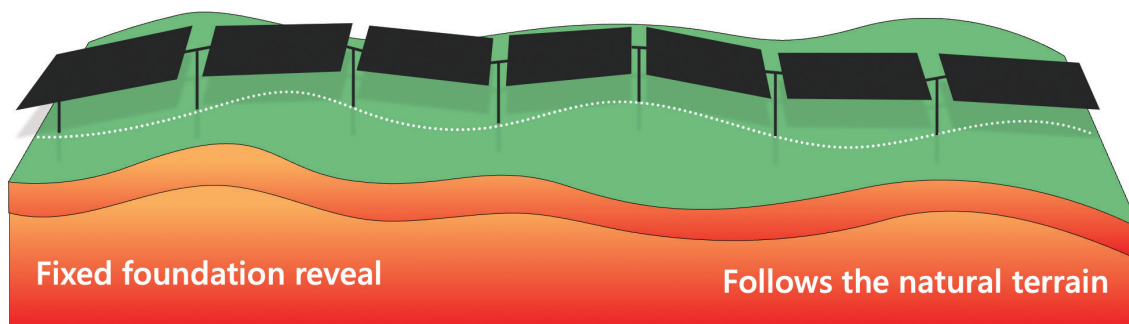
### 2 INCREASE SITE OPTIONS

- Convert sites from fixed tilt to tracker
- Revisit sites previously disqualified due to grading
- Build on sites with differential settlement risk
- Fastest installation, zero custom tools or jigs

### 4 OPTIMIZE SITE DESIGN AND PERFORMANCE

- Proprietary TRACE Terrain-Aware Backtracking schedules for zero shading & increased energy yield
- Unique software for site design optimization
- Off-azimuth, variable GCR, variable tilt schedules

## Nevados All Terrain Tracker (ATT)



ROW CONFIGURATION	<ul style="list-style-type: none"> <li>• Up to 96 modules per row</li> <li>• 5 to 8 modules per bay</li> </ul>
TRACKING ANGLE CAPABILITIES	<ul style="list-style-type: none"> <li>• <math>\pm 60^\circ</math> tracking expandable to <math>\pm 75^\circ</math> tracking</li> <li>• Single row actuation with 24VDC slew drive</li> </ul>
TERRAIN FOLLOWING	<ul style="list-style-type: none"> <li>• Straight Through bearing: <math>\pm 3.5\%</math> slope change at each foundation</li> <li>• Single Articulating bearing: <math>\pm 13\%</math> slope change at each foundation</li> <li>• Double Articulating bearing: <math>\pm 26\%</math> slope change at each foundation</li> <li>• 37% max N-S and E-W slope</li> </ul>
FOUNDATION	<ul style="list-style-type: none"> <li>• I-Beam or ground screw foundations installed at consistent reveal throughout site</li> </ul>
GROUND COVERAGE RATIO	<ul style="list-style-type: none"> <li>• Configurable, typically greater than or equal to 25%</li> </ul>
DESIGN LOADS	<ul style="list-style-type: none"> <li>• Designed to applicable ASCE</li> <li>• Configurable to 135+ MPH</li> <li>• Configurable to 50+ PSF snow load</li> <li>• Loads studied in wind tunnels for variable terrain; no external dampers required for wind dynamics</li> </ul>
INCLUDED SERVICES	<ul style="list-style-type: none"> <li>• Preliminary layouts and site design optimization</li> <li>• Structural calculations, IFC package and foundation design</li> <li>• TRACE Terrain-Aware Backtracking or True Tracking</li> </ul>
OPERATING TEMPERATURE	<ul style="list-style-type: none"> <li>• <math>-20^\circ\text{C} - 55^\circ\text{C}</math></li> </ul>
MODULE CONNECTION/GROUNDING:	<ul style="list-style-type: none"> <li>• Self-grounding module brackets</li> <li>• UL2703 and UL3703</li> </ul>
TOLERANCES	<ul style="list-style-type: none"> <li>• Reveal height: <math>+4"</math> / <math>-0"</math>, N-S: <math>\pm 1.5"</math> (expandable), <math>2^\circ</math> vertical plumb, <math>9^\circ</math> twist</li> <li>• Flat-land: <math>\pm 12"</math> vertical &amp; E-W at each pile, may change based on neighboring foundations</li> </ul>
CONTROLS	<ul style="list-style-type: none"> <li>• Web-based dashboard for monitoring &amp; operation with row-level control</li> <li>• SCADA integration via Modbus TCP/IP for monitoring &amp; operation with row-level control</li> <li>• Wireless, self-powered row controllers and weather stations</li> <li>• AC-powered Zone Controllers</li> </ul>
WARRANTY	<ul style="list-style-type: none"> <li>• 10-year structural, 5-year drive &amp; controls warranty</li> </ul>