

GENERAL FEATURES

Tracker type	Independent-row single-axis 1P tracker
Tracker length	Up to 260m (853') length; coherent string conform tables
Array height	Height rotation axis from 1.30m to 1.90m (4'3" to 6'3")
Foundation	Sigma shaped steel posts (rammed, pre-drilled, concrete)
Tracking range	±55° standard; ±60° on request
Slope tolerances	36% N-S; 36% E-W without grading
Allowable windspeed	Up to 75m/s; 3-second gust at 10m (270km/h; 168mph)
Stow position	Flat stow
Ground cover ratio (GCR)	Standard from 31% to 53%
Module attachment	Screw, Lockbolt or Clip
Motor type	DC and AC available
Drive units per MWp	Configurable to less than 8
Solar tracking method	Astronomical algorithm
Grounding system	Self-grounded hardware available
Sensors	Wind speed, wind direction (snow and flood sensor if needed)
Control and communication	BUS wired, ZigBee or Lora wireless communication available
Nighttime stow	Individually customizable
Backtracking	3D adaptive backtracking
On-Site training and commissioning	Yes
Aeroelastic wind tunnel test	Advanced aeroelastic test with CPP Wind Engineering
Certifications	UL 3703 / UL 2703 / IEC 62817
Warranty	Structural components: 15 years Electronical components: 5 years

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NEXT GENERATION SOLAR TRACKING

HORIZON L:TEC® 1P



www.ideematec.com



Most advanced one-in-portrait tracker solution

The L:TEC®'s patented decoupled and locking drive technology has made it possible to deploy XXL modules and longer string lengths without comprising the stability of the trackers. In addition, the low inclination stow offers the best module protection available whilst the lifetime stress on the tracker and modules is significantly decreased.

MULTI LOCKING TECHNOLOGY ensures that the tracker is mechanically self-locked and only minimal loads will come to the drive unit. This locked structure is as stable as a fixed tilt.



MAXIMUM DESIGN FLEXIBILITY

UNLIKE ANY OTHER TRACKER

- Suits all modules type: 72 Cells, 78 Cells, bifacial
- BOS optimized layout
- Modular tracker configuration

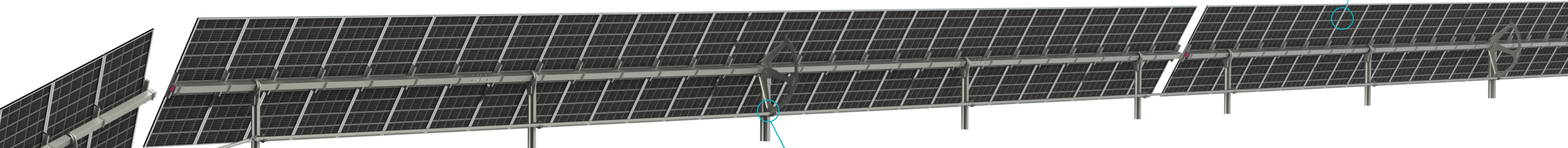


UP TO **260** MODULES PER TRACKER WITH ONE DRIVE UNIT

UP TO 260 M TRACKER UNIT

1 String per Table and up to 8 Strings per tracker unit

UP TO 8 M PILE DISTANCE



UP TO **36%** FROM THE PREVIOUS TABLE

CARDAN JOINTS ADAPT TO ANY TERRAIN

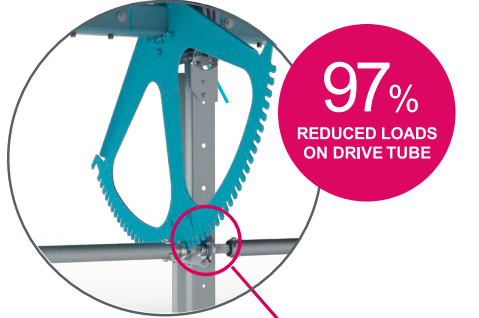
- Each table can be installed at an angle of up to 36 % from the previous table
- Less for complex grading works

FLAT STOW POSITION 360° WIND PROTECTION

- Unique protection against extreme weather conditions
- Up to 50 % less stress with flat stow
- Withstands winds of up to 75m/s 3-s gust
- Higher energy during stowing
- Less module stress than other stow strategies

LOCKING AND DECOUPLED DRIVE TECHNOLOGY

- The decoupled drive technology is more efficient than all traditional drives. The smart drive technology transfers the table loads directly into foundations and ensures that forces on the drive are kept to an absolute minimum.
- **This is why we can build the longest and most flexible trackers on the market.**



BEST LIFETIME VALUE AND OPTIMIZED LCOE

- Highest additional gains
- Optimizes overall yields
- Improves system lifetime
- AC/DC options available

8 MOTORS & CONTROLLERS PER MW

POWERED BY JUST 1 DRIVE UNIT

- 3 times less drive units
- Higher availability
- Lower maintenance costs

ADVANCED TERRAIN ADAPTABILITY

UP TO **8** STRINGS PER TRACKER AND MAXIMUM FLEXIBILITY WITH SHORT TABLES

- **ADAPTIVE CARDAN JOINTS**
 - Saving costs & time
 - Reduce need for grading works
- **ONLY 1 DRIVE UNIT/MOTOR** Same operating costs on any terrain
- **SPROCKET**

