

GENERAL
FEATURES

Tracker type	Independent-row single-axis 2P tracker
Tracker length	Up to 195m (640´) length; coherent string conform tables
Array height	Height rotation axis up to 3m (9'10")
Foundation	Sigma shaped steel posts
Tracking range	±60°
Slope tolerances	36% N-S; 36% E-W without grading
Max. windspeed	Up to 57m/s; 3-second gust at 10m (205km/h; 127mph)
Stow position	5,2° nose down
Ground cover ratio (GCR)	Standard from 25% to 53%
Module attachment	Screw, Lockbolt, IDT Fastlock
Motor type	DC and AC available
Drive units per MWp	Configurable to less than 5
Solar tracking method	Astronomical algorithm
Grounding system	Self-grounded hardware included
Compatibility	Compatible with XXL modules and robotic cleaning solutions
Control and communication	US wired, ZigBee wireless communication available
Extreme Weather Mitigation	Snow, flood, wind and hail
Backtracking	3D adaptive backtracking
Services	Onsite training, commissioning, site support and after sales
Certifications	UL 3703 / UL 2703 / IEC 62817
Warranty	Structural components: 15 years Electronical components: 5 years
Aeroelastic wind tunnel test	Advanced aeroelastic test with RWDI

NEXT GENERATION SOLAR TRACKERS

HORIZON
L:TEC® 2P



MAIN CONTACT
info@ideematec.de

GENERAL SUPPORT
support@ideematec.com

www.ideematec.com



Most advanced two-in-portrait tracker solution

Part of the L:TEC® Family, the Horizon L:TEC® 2P tracker pairs our signature decoupled drive technology with a new, innovative locking system for maximum stability.

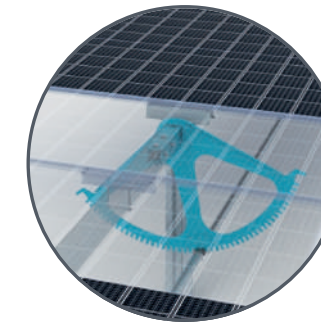
OUR STANDARD pre-assembled components save up to 33% of unique parts, simplifying logistics, reducing coordination efforts and minimize the need for specialized tools.

Optimized Installation begins before construction starts

UP TO **360** MODULES PER TRACKER WITH ONE DRIVE UNIT

FLAT STOW POSITION 360° WIND PROTECTION

- Unique protection against extreme weather conditions
- Withstands winds of up to 72m/s
- Higher yield during stow
- Less module stress than other stow strategies



MAXIMUM DESIGN FLEXIBILITY UNLIKE ANY OTHER TRACKER

- Suits all modules type:
72 Cells, 78 Cells, 66 Cells, bifacial
- BOS optimized layout
- Modular tracker configuration

UP TO 195 M TRACKER UNIT

UP TO 8 M PILE DISTANCE



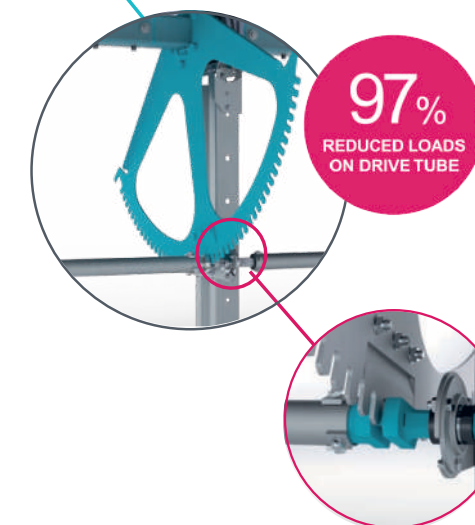
UP TO **36%**
FROM THE
PREVIOUS
TABLE

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

MULTIPLE LOCKING AND DECOUPLED DRIVE TECHNOLOGY

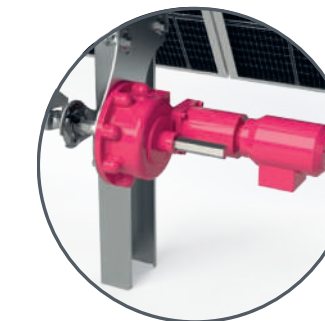
- Our advanced system combines Multi-Locking and decoupled drive technology to eliminate torsional instability and ensure reliable system performance. By redirecting loads directly into the foundations, it reduces stress on the drive and enhances durability.
- This enables IDEEMATEC to deliver the longest and most versatile trackers in the industry.



97%
REDUCED LOADS
ON DRIVE TUBE

POWERED BY JUST 1 DRIVE UNIT

- 3 times less drive units than conventional 2P trackers
- Maximizing availability
- Lower maintenance costs



5 MOTORS & CONTROLLERS PER MW

BEST LIFETIME VALUE AND OPTIMIZED LCOE

- Highest additional gains
- Optimizes overall yields
- Improves system lifetime
- Brushless AC