



THE NEW BENCHMARK FOR SOLAR TRACKING





HORIZON
L:TEC®

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A successor to IDEEMATEC's highly successful Horizon **safeTrack H4**®, the Horizon **L:TEC**® offers the market's most advanced zero loss bifacial, two-in-portrait tracker solution.

Pioneering a range of technologies, including signature decoupled drive technology paired with an innovative new locked sprocket system for maximum stability.



The drive unit places the table loads directly into the foundations. Only 1.4% of the load from the table is on the drive tube during tracking, the rest is diverted to the post. Once locked, there is no force on the drive tube. This results in a stronger system that is built to last for the long term.

This is why we can build the longest trackers on the market, that reaches to 195 m in length.

The Horizon **L:TEC**® can secure standard, bifacial and XXL modules in position against extreme winds.





SAFE

0° Stow Position



Permanently Locked



Higher Yield



Easy Installation



30% Less Parts

BEST LIFETIME VALUE

- Highest additional gains
- Optimizes overall yields
- Improves system lifetime performance
- 99.6% uptime

ZERO-DEGREE STOW

- Unique protection against extreme weather conditions
- Withstands winds of up to 180 km per hour
- Snow sensor for colder regions

BEST-IN-CLASS WARRANTY

- 15-year structural & mechanical warranty as standard
- 25-year warranty against perforation corrosion

DESIGN FLEXIBILITY

- Secures standard, bifacial and XXL modules
- Adjustable for any dimensions or string lengths
- Zero shading on bifacial modules
- Adaptable to any terrain
- Can be used for Agri PV projects

AT LEAST 30% FEWER PARTS THAN THE AVERAGE SYSTEM

- Preassembled parts
- Significantly reduce installation time
- Expands project lifespan
- Delivers maintenance costs savings



GENERAL MECHANICAL FEATURES	
Tracking type	Horizontal single axis tracker
Typical tracker size	Up to 190 m - up to 5 m width Up to 195 m on request
Ground cover ratio (GCR)	Configurable: typical 30 - 50%
Array height	Up to 2.5 m Up to 3.5m for Agri PV
Wind protection	Zero degree stow position
Corrosion protection	Galvanized steel C3 as standard C4 or C5 on request
Foundation	Sigma foundation
Tracking range	55° as standard Up to 60° upon request Up to 70° for Agri PV
Ground Clearance	300mm/500mm Up to 1500mm for Agri PV
Inclination	Up to 36%
Cleaning	Verified by IDEEMATEC

POWER AND CONTROL SYSTEM	
Software	Aurora™ by IDEEMATEC
Solar Tracking Method	Astronomical Algorithm 3D adaptive back-tracking
Communication	Full wired redundant data transfer & control flow Through power cables, eliminating need for additional cables. Reduces the need for trenches, providing cost benefit TAN
Control	One cluster control unit per 28MW (includes weather station, redundancy computer, SCADA ready) One tracker control unit per motor
Power	AC power and self-powered solutions UPS available on request
Drive type	High accuracy slew gear – disconnected
Motor type	AC CE 400V 50Hz/ UL 480V 60 Hz/ DC 24V
Operating temperature	-20°C up to +55°C
Warranty	15-years System Warranty

KEY STATISTICS
Up to 360 modules on 1 tracker
Up to 12 Strings on 1 tracker
Flexible string configuration allows up to 40 modules per string
Suits all modules types
72 Cells, 78 Cells and XL modules, bifacial, thin film and First Solar.
From 5 motors per MW
From 150 posts per MW
Up to 7.5m post distance

