

IDEEMATEC is the leading developer...

...of single axis tracking systems, headquartered in Germany with more than 12 years of experience and over 2.2 GW of installed systems on 6 continents.

IDEEMATEC's innovative high-span safeTrack H4 tracker™ offers an outstanding design DNA. As first two-in-portrait tracker in the market, powered by its core patented drive technology, IDEEMATEC's solar tracker offers a superior safety and uptime level. Now available **safeTrack H4^{PLUS} bifacial tracker™** for an even higher yield at maximum reduced shading.

Established technology for challenging conditions – suited for sites with challenging soils, high winds, and irregular terrain, IDEEMATEC's safeTrack H4 trackers™ reduce the risk for Engineering, Procurement & Construction Companies by pro-

viding project developers and asset owners with the most value added over the entire lifetime of their power plant.

Highest Peak Power Ratio – the safeTrack H4™ flexible string configuration allows for a max. number of modules per tracker and requires only 1 Drive Unit for 360 Modules to provide support for up to 12x 1500-volt strings – **currently the market benchmark**. With only 0.5 pcs. SIGMA foundations per DC string, the high-span safeTrack H4™ reduces tracker installation costs by offering the least amount of posts at the lowest embedding depth.

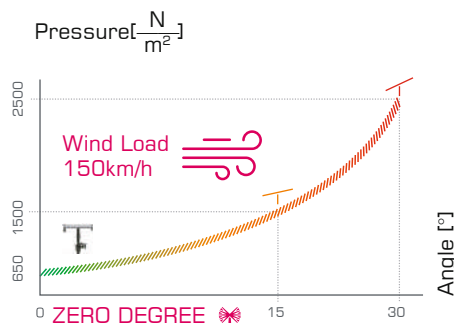
THE DEFINITION OF 2P TRACKING

DISCONNECTED DRIVE



- 2.5 Hz natural frequency
- Zero torsion table
- Galloping excluded

ZERO STOW POSITION



- Up to 300 % less stress
- 360 ° wind protection
- Best in practice stow strategy

DYNAMIC ABSORBERS



- Damping ratio 15%
- 0° stow position safe & stable over entire length
- Dynamic stability in any position

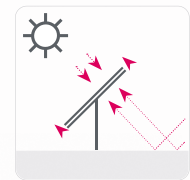
THE LONGEST TRACKER IN THE MARKET

up to 180 meters | 360 modules



GENERAL MECHANICAL FEATURES

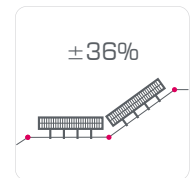
Tracking type	Horizontal single axis tracker – unlinked row
Typical tracker size	2 Portrait II 183 mtr. (max.)
Array height	2.20 m (7'22") Standard
H4^{PLUS} bifacial features	H4^{PLUS} – tracker height gain compensation
Tracking range	± 55°
Wind protection	Stow Position 0° / multi damping
Foundations	Sigma shape
Materials	Galvanized steel
Warranty	10 Years II Standard



- ▲ HIGHER YIELD
- ▲ MORE RAIL DISTANCE
- ▼ LESS SHADING

POWER AND CONTROLL SYSTEM

Software	KoRoNa™ by IDEEMATEC
Solar tracking method	Astronomical algorithm II 3D adaptive backtracking
Communication	Full wired II redundant data transfer and control flow
Drive type	High accuracy slew gear – disconnected
Motor type	CE 400V 50Hz/ UL 480V 60Hz
Operating temperature range	-20°C up to +55°C
Warranty	5 Years II Standard



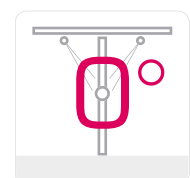
EXTREMELY ADAPTABLE
TO ANY TERRAIN



ONLY 1 DRIVE UNIT
FOR 150 KWP

MODULES AND CONFIGURATION

2P configuration 1500 Volt	Modules Pcs.		Strings	Width	Length
6 Table	336	360	12	72 cell / 78 cell	174m / 186m
5 Table	280	300	10	4.0m / 4.4m	145m / 155m
4 Table	224	240	8		116m / 124m



SAFE AND STABLE
0° STOW POSITION