



AXIAL
tracker **SLOPESYNC**



**POWERING THE FUTURE
OF SOLAR TRACKING**



BASIC SPECS

TRACKING SYSYEM:	HORIZONTAL AXIS E-W
COMMUNICATION:	ZIGBEE / RS485
SYSTEM VOLTAGE:	1000 VDC / 1500 VDC
TRACKING RANGE:	±55° AS STANDARD (UP TO ±60°)
DRIVE SYSTEM:	ENCLOSED SLEWING DRIVE DC MOTOR, 24 (24VDC)
POWER SULPLY:	SELF-POWERED
TEMPERATURE RANGE:	[-20, 50] °C
INDEPENDENT ROWS:	SHARED TRANSMISSION EACH TWO ROWS
GCR:	TYPICAL RANGE 28% -50% , DEPENDING ON SITE CONDITIONS
TRACKING METHOD:	SOLAR ALGORITHM NREL SPA WITH 3DBACKTRACKING
OPERATIONAL WIND SPEED:	UP TO 70 KM/H
MAX WIND SPEED AT STOW POSTITION:	ACCORDING TO LOCAL STANDARD
FOUNDATION SYSTEMS:	AD HOC DESIGN. RAMMING AS STANDARD

KEY FEATURES

TERRAIN-SYNC SOLAR TRACKER:

- ADMISSIBLE TERRAIN IRREGULARITIES UP TO ±400MM BETWEEN CONSECUTIVE PILLARS
- REDUCE CIVIL WORKS
- LOW ENVIRONMENTAL IMPACT

HIGHEST RAMMING TOLERANCES OF THE MARKET:

- UP TO ± 400MM IN BOTH DIRECTION NS AND EW
- TORQUE TUBE CONNECTIONS PRE-ASSEMBLED
- IMPROVEMENT OF INSTALLATION RATIOS: NO PILLARS ALIGNEMENT NEEDED.
- AVOID DEFORMATIONS/EFFORTS INDUCED ON THE STRUCTURE.

MAKING THE MOST OF LAYOUT:

- HOMOKINETIC TECHNOLOGY ALLOWS DEVIATIONS OF UP TO 30°.
- TOTAL ADAPTATION TO LAYOUTS WITH IRREGULAR GEOMETRIES

DIMENSIONS

CONFIGURATIONS*

CAPACITY:	2 STRINGS PER ROW. COMPATIBLE WITH MOST UTILITY SCALE PV MODULES
GROUND CLEARANCE:	UP TO 1 m. (55°).

* Available in different configurations / Aproximate dimensions

WARRANTY

SLEWING DRIVE:	5 YEARS
ENGINE:	5 YEARS
ELECTRONICS:	5 YEARS
BATTERY:	UP TO 10 YEARS
STRUCTURAL WARRANTY:	UP TO 25 YEARS
CORROSION WARRANTY:	UP TO 25 YEARS