



AXIAL
tracker **TWIN**



**ELEVATING THE FUTURE
FOR SOLAR**



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 SUPPLY:	SELF-POWERED
TEMPERATURE RANGE:	(-4, 122) °F
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 43.5 mph
MAX WIND SPEED AT STOW POSTITION:	ACCORDING LOCAL STANDARD
ALLOWABLE SLOPE:	15%

KEY FEATURES

- HIGHLY ADAPTATIVE AND SAFE
- EFFICENT AND SIMPLE FIELD INSTALLATION
- UP TO 43.5 mph OPERATIONAL WIND SPEED
- TEMPERATURA RANGE (-4, 122) °F
- TRANSMISSION: REDUCE CLEARANCE AND INCREASED ROTATION ACCURACY IN THE TRANSMISSION COMPARED TO OTHER SYSTEMS
- INCREASED EFFICIENCY BY SHARED TRANSMISSION EACH TWO TRACKERS: THE POWER TO PRODUCE THE MOVEMENT OF BOTH TRACKERS IS GENERATED FROM ONE SINGLE MOTOR, BUT THE EFFECTS OF WIND LOADS ARE DISTRIBUTED BETWEEN BOTH STRUCTURES THROUGH INDEPENDENT SLEWING DRIVES

DIMENSIONS

CONFIGURATIONS*

CAPACITY:	2 STRINGS PER ROW. COMPATIBLE WITH MOST UTILITY SCALE PV MODULES
GROUND CLEARANCE:	3.28 ft (55°) - 4.2 ft (0°) AS STANDARD

* Available in different configurations / Aproximate dimensions

WARRANTY

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



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WIND DYNAMICS STUDIES
Tested in Wind Tunel
CFD Studies

Technical office

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Contents subject to change without prior notice DCE Solar & Axial Structural Solutions