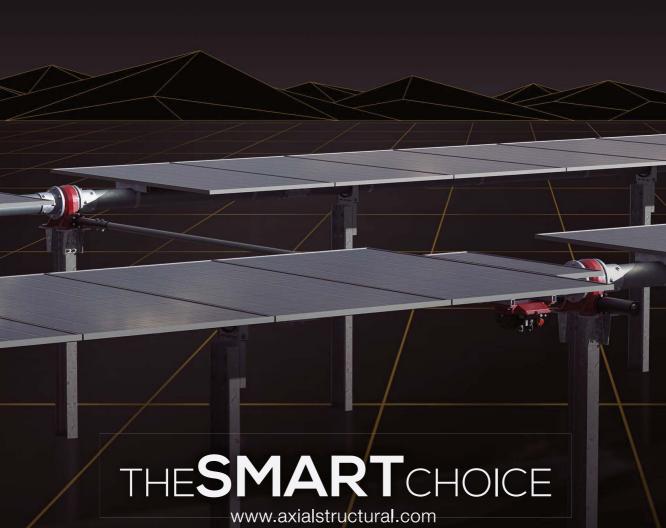
AXIAL tracker 17 Twin

TECHNICAL DATASHEET



TRACKING SYSTEM: HORIZONTAL AXIS E-W

COMMUNICATION: ZIGBEE / RS485

SYSTEM VOLTAGE: 1000 Vdc / 1500 Vdc

TRACKING RANGE: 110° (±55°)

DRIVE SYSTEM: ENCLOSED SLEWING DRIVE DC MOTOR, 24 (24VDC)

POWER SULPLY: SELF-POWERED / GRID POWERED FOR LOW TEMPERATURES REGIONS

TEMPERATURE RANGE: 0° +55° SELF-POWERED / -40° +50° GRID POWERED

INDEPENDENT ROWS: SHARED TRANSMISSION EACH TWO ROWS **GCR:** TYPICAL RANGE 28% -50%, DEPENDING ON SITE CONDITIONS

TRACKING METHOD: SOLAR ALGORITHM NREL SPA WITH 3DBACKTRACKING

ALLOWABLE WIND SPEED: UP TO 70KM/h / ACCORDING TO LOCAL REGULATIONS FOR STOW POSITION

ALLOWABLE SLOPE: 15%

FOUNDATION SYSTEMS: AD HOC DESIGN, RAMMING AS STANDARD

KEY FEATURES

HIGHLY ADAPTATIVE AND SAFE
EFFICENT AND SIMPLE FIELD INSTALLATION
UP TO 70 KM/H OPERATIONAL WIND SPEED

-20% SUPPLY & MAINTENANCE COSTS

TRANSMISSION:

HOMOKINETIC TECHNOLOGY

REDUCE CLEARANCE AND INCREASED ROTATION ACCURANCY 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

CONFIGURATIONS*

 1Vx54 (EACH TRACKER ROW)
 62.2 m.
 2.2 m.

 1VX60 (EACH TRACKER ROW)
 68.8 m.
 2.2 m.

 1VX72 (EACH TRACKER ROW)
 83.9 m.
 2.2 m.

 $\mbox{\ensuremath{\star}}$ Available in other configurations/ Aproximate dimensions

GROUND CLEARANCE: 0.5 m. (55°) - 1.28 m. (0°) AS STANDARD

CAPACITY: UP TO 72 PANELS. COMPATIBLE WITH MOST UTILITY SCALE PV MODULES

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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