

AXIAL

tracker | 2vTT

TECHNICAL DATASHEET

3rd GEN
TECHNOLOGY
Tested in Wind Tunnel

THE **SMART** CHOICE

www.axialstructural.com

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 SUPPLY: SELF-POWERED / GRID POWERED FOR LOW TEMPERATURES REGIONS

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

INDEPENDENT ROWS: YES

GCR: TYPICAL RANGE 36% -60% , DEPENDING ON SITE CONDITIONS

TRACKING METHOD: SOLAR ALGORITHM NREL SPA WITH BACKTRACKING

ALLOWABLE WIND SPEED: UP TO 50KM/h / ACCORDING TO LOCAL REGULATIONS FOR STOW POSITION

ALLOWABLE SLOPE: 15%

FOUNDATION SYSTEMS: AD HOC DESIGN. RAMMING AS STANDARD



KEY FEATURES

NEW FULLY BLOCKED TECHNOLOGY: UP TO 40% HIGHER OPERATIONAL WIND SPEED

SPECIFICALLY DESIGNED FOR INCREASED PRODUCTION: UP TO 1.5% MORE ENERGY

OPTIMIZED FOR LARGER MODULES

SIMPLIFIED INSTALLATION: PLUG&PLAY BEARINGS AND CROSSBARS

HIGHLY ADAPTATIVE AND SAFE

INCREASED EFFICIENCY: 27% LESS COMPONENTS

CONFIGURATIONS*

STANDARD: 2V30/2V42

* Available in other configurations/ Approximate dimensions

GROUND CLEARANCE: 0.5 m. (55°) - 2.5 m. (0°) AS STANDARD

CAPACITY: UP TO 120 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

