

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 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

- 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/ Aproximate 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

