



GREEN AGRITRACKER

MAIN FEATURES

Tracking System: Single Axis Solar Tracker tilt up to $\pm 55^\circ$
Tracking Control: NREL solar tracking Algorithm, Computer Hardware and Software
Tracker: Supports up to 48 PV modules across 12 axes
Tracker Dimensions: Length up to 50 meters, Width up to 5 meters, Height min. 2.60 meters (at horizontally position)
Ground Coverage: Configurable from 20% up to 50%
Terrain slope: North-South axis direction up to 10% Standard, (configurable)
Material: Hot dip galvanized steel and aluminum
Compatibility: Any type of PV modules
Shadowing: Backtracking software, (configurable), HRS (High Rise System)
Positioning: 3D Inclinometer (no additional sensors needed)
The structural design of the STS tracking system meet the requirements of EUROCODE, DIN, EN, as well as other international standards
Damper: Solar Damper 1.000N, 2 Damper to each row



SERVICE PLANS AND MAINTENANCE

Onsite & Remote :
 Advisory, Operation, Tracker Maintenance & Monitoring System

LINEAR DRIVES

Voltage of motor: 24 V DC
Certificate: ISO 14001, ISO 9001, CE test report, EMC test report
Force: 30.000N, static=70.000N
IP rating: IP66 test report
Drives: 1 Linear Drive to each row

ELECTRONICS

Controller : Microprocessor controllers and Internet communication technologies
 Master and Slave controllers 12-24VDC - 0,4/1,0W with Modbus/RS485 or WIFI interface
OBSERVE-X Monitoring System: Integrated platform for initialization and remote worldwide control and monitoring
Rohs Compliant
ISO 9001
Communication: Modbus TCP, Ethernet

WARRANTY

Construction: 10 years (extendable)
Electronics: 5 years (extendable) Motors: 5 years extendable)

STEEL STRUCTURE

The steel production EN ISO 9001 certifies quality assurance system and provides full traceability of all products and processes, while its environmental management and health & safety systems are EN ISO 14001 and certified respectively.

WEATHER

Wind Resistance: Adjustable to local weather conditions
 Clean/Storm/Vibration: Automatic detection, horizontal position process (adjustable)
Additional: Snow and Hail sensors, automatic safety-positioning process (adjustable)