STS
SOLAR TRACKING SYSTEMS

GREEN AGRITRACKER

DIN SPEC 91434:2021-05 (Requirements for primary agriculture use)

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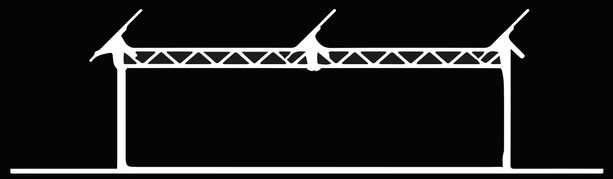
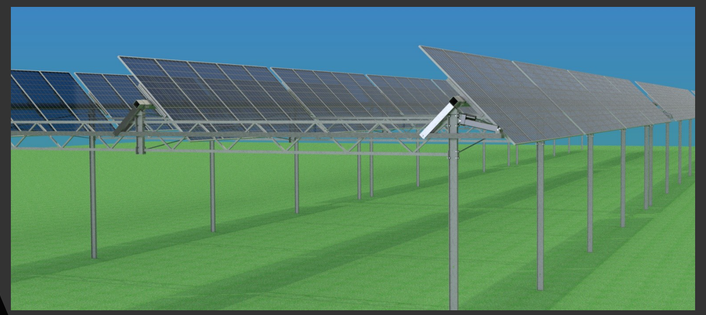


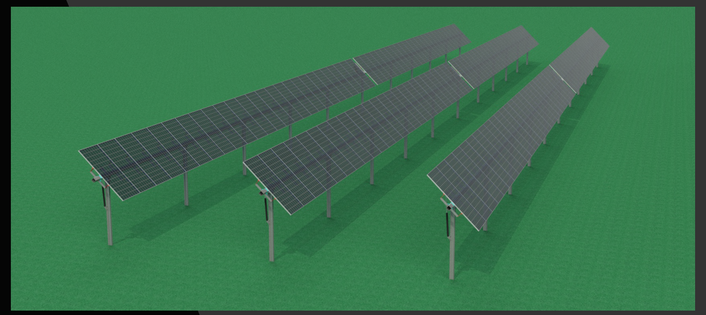
AGRITRACKER K-1



CATEGORY I

- **Installation with sufficient space underneath**
- **Farming under the agrivoltaic system**
- Space between rows: 6m to 12m
- Clearance height at all positions: 3.2m
- Structure height: 4m in horizontal position

AGRITRACKER P-1



CATEGORY II

- **Ground level installation**
- **Farming between the agrivoltaic system rows**
- Space between rows: 6m to 12m
- Clearance height on slope position: 1.80m
- Structure height: 2.68m in horizontal position

TÜV AUSTRIA
EN ISO 9001:2015
No. : 20001230009794

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TECHNICAL DATASHEET

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- DYNAMIC LIGHT AND SHADE MANAGEMENT
- PRECISION CROP CUSTOMIZATION
- PREDICTIVE MAINTENANCE
- DYNAMIC TRACKING CONTROL
- REAL TIME MONITORING PLATFORM

MAIN FEATURES

SYSTEM:
Single Axis Tracker +-50°

CONTROL:
NREL solar tracking algorithm, computer-controlled, advanced real-time monitoring platform, software updates, AI & machine learning algorithms compatible.

COMMUNICATION::
Modbus/RS485, Ethernet

OPERATION:
24 VDC linear drives

MODULES:
Supports up to 52 PV modules of any type

DIMENSIONS:
Length up to 60m, height from 2.6m to 4.0m (horizontal position)

COVERAGE:
Configurable from 20% to 50%

TERRAIN SLOPE:
North to South up to 10% standard (configurable)

MATERIAL:
Hot-dip galvanized steel

SHADOWING :
Automatic backtracking, configurable; high-rise system

POSITIONING:
3D inclinometer (no additional sensors needed)

STRUCTURAL DESIGN:
All ST5 tracking systems meet Eurocode, DIN, EN, and other international standards

WIND RESISTANCE:
Automatic wind positioning, adjustable to local conditions, includes 2 solar dampers on each row

SNOW RESISTANCE:
Automatic snow positioning, adjustable to local conditions

ADDITIONAL:
Snow and hail sensors, irradiation sensors

WARRANTY

STRUCTURE:
Ten (10) years

ELECTRONICS:
Five (5) years

SERVICE PLANS MAINTENANCE

ONSITE & REMOTE :
Real-time advisory, operation, monitoring, and maintenance forecasting

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