LORENTZ GERMANY

ETATRACK active 400

Active Solar Tracking System

Characteristics

- **total module surface up to 4 m², up to c. 0.6 kWp**
- **maintenance-free**
- **high reliability and life-expectancy**
- **low power consumption (c. 1.25 kWh/year)**
- **no failure-prone light sensor**
- **no unnecessary tracking movements**
- **designed to withstand wind speeds of up to 120 km/h**
- **cost-efficient tracking system**

Applications

- Single-axis tracking system for solar modules[1]
- Additional power output of up to 40 % in comparison to fixed module installation.

Design

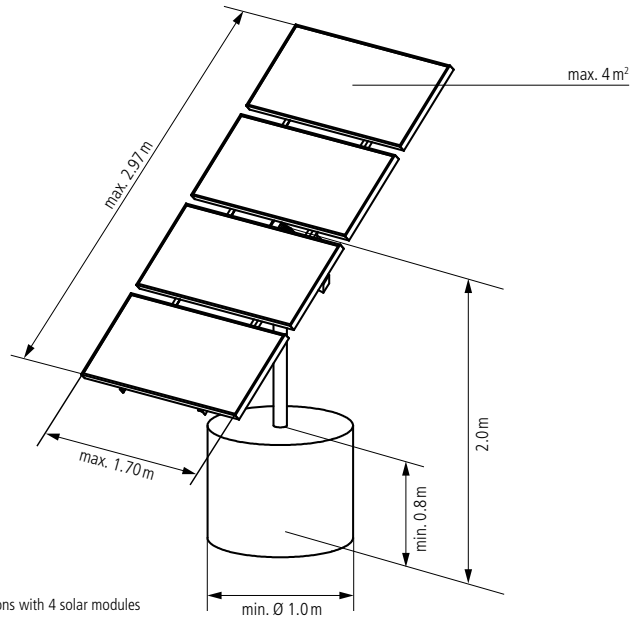
Tracking Unit

- singe-axis tracking system, angle of second axis manually adjustable 0-45°
- elevation East-West: 90°
- module surface up to 4 m², c. 0.6 kWp[2]
- frame: steel, hot-dip Zn-coated
- module fixation with stainless steel clips
- no failure-prone light sensor
- energy supply of tracking drive: 12 V (nominal voltage) to 80 V, provided by one of the tracked modules, tracking control by one of the tracked modules[3]
- low energy consumption c. 1.25 kWh/year
- stepwise tracking, depending on the daily sunshine duration (length of day)
- South position in darkness
- designed to withstand wind speeds of up to 120 km/h
- maintenance-free

1) for framed solar modules according to IEC 61215, UL 1703

2) max. module width 1.7 m

3) For safe operation in specific system designs, an additional small module might be necessary. Cf. installation manual.



Example: system dimensions with 4 solar modules

Drive

- DC linear drive
- maintenance-free

Foundation and Mounting

- mounting pole: length 2 m, outer diameter max. 89 mm (3 ½ in); wall thickness min. 4 mm
- surface concrete foundation (min. 0.7 m³)

Included in Delivery

- frame and fixation elements made of steel, Zn-coated
- stainless steel clips for module fixation
- electronics including battery in plastic housing
- linear drive
- mounting pole not included

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