

# ETATRACK active 1500

Active Solar Tracking System

**LORENTZ**   
**GERMANY**

## Characteristics

- total module surface 3.4 m × 4.8 m (c. 15 m<sup>2</sup>), up to c. 2.5 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
- statics according to German and European standards
- cost-efficient tracking system

## Application

Single-axis tracking system for solar modules<sup>1</sup>  
Additional power output of up to 40 % in comparison to fixed module installation.

## Design

### Tracking Unit

- single-axis tracking system, angle of second axis manually adjustable 0-45°
- elevation East-West: 90°
- module surface 3.4 m × 4.8 m (c. 15 m<sup>2</sup>), c. 2.5 kWp
- frame: steel, hot-dip Zn-coated
- module fixation with stainless steel clips
- no failure-prone light sensor
- energy supply of tracking drive: 12V (nominal voltage) to 80V, provided by one of the tracked modules, tracking control by one of the tracked modules<sup>2</sup>
- low energy consumption c. 1.25 kWh/year
- stepwise tracking, depending on the daily sunshine duration (length of day)
- South position in darkness
- suitable for high wind speeds: statics according to German and European standards
- maintenance-free

### Drive

- DC linear drive
- maintenance-free

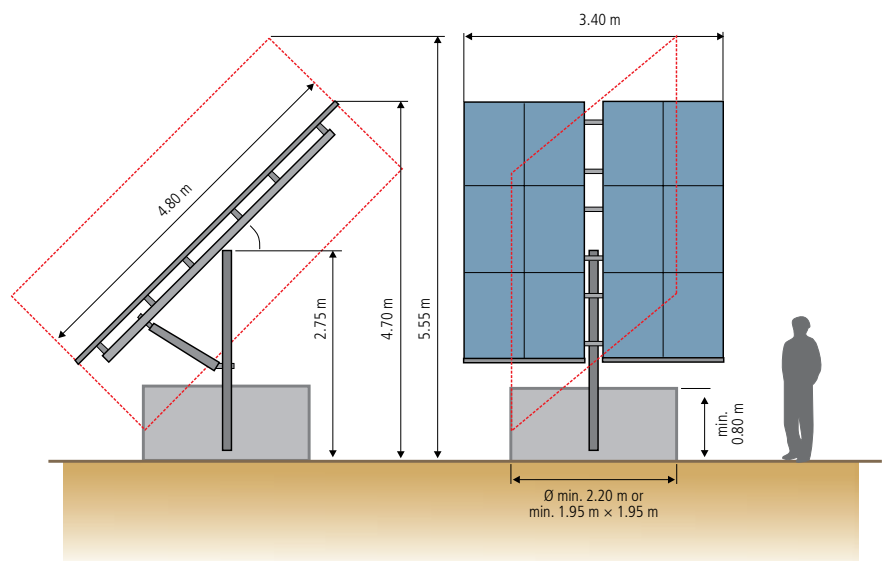
### Foundation

- concrete foundation (min. 3 m<sup>3</sup>)
- screw foundation
- ram foundation

### 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

- 1) for framed solar modules according to IEC 61215, UL 1703
- 2) For safe operation in specific system designs, an additional small module might be necessary. Cf. installation manual.



Example: system dimensions with 12 solar modules c. 1.6 m × 0.8 m