

ETATRACK active 2000 SP

Active Solar Tracking System for Solar Parks

Characteristics

- total module surface up to c. 20.5 m², four rows of four PV modules
- control concepts for solar parks of various sizes
- no failure-prone light sensor
- no unnecessary tracking movements
- low power consumption (c. 1.5 kWh/year)
- statics according to German and European standards
- high reliability and life-expectancy
- maintenance-free
- cost-efficient tracking system



Application

- Mounting of solar modules¹ in solar parks
- Additional energy yield of up to 40 % compared to fixed installations

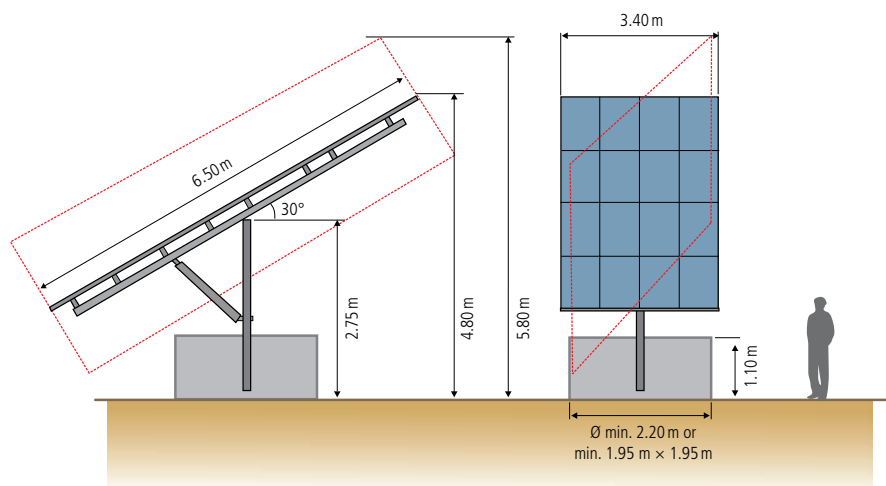
Design

Tracking Unit

- single-axis tracking system, angle of second axis manually adjustable
- elevation East-West: 90°
- module surface up to c. 20.5 m², four rows of four PV modules
- frame: steel, hot-dip Zn-coated
- module fixation with stainless steel clips
- no failure-prone light sensor
- low energy consumption c. 1.5 kWh/year
- suitable for high wind speeds: statics according to German and European standards
- maintenance-free

Control

- control concepts for solar parks of various sizes
- stepwise tracking, depending on the daily sunshine duration (length of day)
- South position in darkness



Example: system dimensions with 16 solar modules c. 1.6 m × 0.8 m

Drive

- DC linear drive
- maintenance-free

Foundation

- concrete foundation (min. 4 m³)
- screw foundation
- ram foundation

Included in Delivery

- frame, mounting pole and fixation elements made of steel, Zn-coated,
- stainless steel clips for module fixation
- electronics in plastic housing
- linear drive

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