

Solar Tracking System

DT-2000

Characteristics

- total module surface 3.4 m × 6.0 m (c. 20 m²), 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

Two-axis tracking system for solar modules¹. Additional power output of up to 60% in comparison to fixed module installation.

Design

Tracking Unit

- Two-axis tracking system,
- vertical 0-90
- elevation East-West: 180°
- module surface 3.4 m × 6.0 m (c. 20 m²), 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: 12 V (nominal voltage) to 80 V, provided by one of the tracked modules, tracking control by one of the tracked modules²
- low energy consumption c. 9 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

