Etatrack active 1000

CONERGY

PHOTOVOLTAICS

Active solar tracking system

- Total module surface up to 10 m²
- Maintenance free
- High reliability and life expectancy
- Low power consumption, ca. 1.25 kWh / year
- No unnecessary tracking movements
- No failure prone light sensor !
- Designed to withstand wind speed up to 150 km/h
- Cost-efficient tracking system

Application

- single-axis solar tracking increases the energy return of solar modules by 25 % per year in average respectively up to 55 % during the summer months

Tracking

- Angle East-West: 90°, active
- Elevation angle: 0°– 45°, manually adjustable
- No separate sensors, it uses the modules as a sensor[1]
- Energy supply of tracking drive: 12 V nominal – 200 V (V_{OC}) provided by one of the tracked modules[1]
- Horizontal position at night
- Tracking in steps according to the daily sunshine duration

Module Surface and Fixation

- 10 m² total module surface (up to 1,300 Wp, dependent on module type)
- Fixation: stainless steel clips, fitting for most module types – no drilling of additional holes into the module frame

Mounting and Foundation

- Mounting pole: 2.5 m
- Surface concrete foundation (approx. 1.6 m³)

Included in Delivery

- Mounting pole, frame and fixation elements made of steel, Zn coated, stainless steel clips for modules
- electronics incl. battery in plastic housing
- linear motor

DIY System

- Do It Yourself and cut cost with the DIY kit
- Includes all fixation elements made of Zn coatedsteel, stainless steel clips for modules, Etatrack Control and a heavy duty linear drive included.

TWIN System

- One Controller operates two trackers
- DIY Kits available

[1] Tracked PV systems for charging batteries require a small extra PV-module:
Min. 12 V (nominal), max. 200 V (V_{OC})
For latitudes above 45° North: min. 10 Wp
For latitudes below 45° North: min. 5 Wp

Available from: