



CONERGY

Photovoltaic modules | Technical data

Etrack active 400

Active solar tracking system

- | Total module surface up to 4 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 120 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 sensor¹
- | Energy supply of tracking drive: 12 V nominal, max. 200 V (V_{OC}) provided by one of the tracked modules¹
- | Horizontal position at night
- | Tracking in steps according to the daily sunshine duration
- | One tracking electronic can operate two frames

Included in Delivery

- | Frame and fixation elements made of steel, Zn coated, stainless steel clips for modules
- | electronics incl. battery in plastic housing
- | linear motor
- | not included in the delivery: mounting pole

Module Surface and Fixation

- | 4 m² total module surface (up to 500 Wp, dependent on module type). Length of rails: 2,970 mm
- | Fixation: movable stainless steel clips



Mounting and Foundation

- | Mounting pole: length 2 m / outer diameter max. 89 mm (3 ½ "), wall thickness min. 4 mm
- | Surface concrete foundation (approx. 0.7 m³)

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

	Astropower AP 110	BP 380	BP 3125	Isofoton I 110	Kyocera KC120	Sharp 80 Wp	Sharp 123 Wp	Shell 85Wp	GE 165/173
Qty PV of Modules	4	5	4	4	4	5	4	5	3
max.Watts	440	400	500	440	480	400	492	425	495/519

Available from:

Many more modules will fit, check from the drawing above