

➔ **Biaxial solar tracking system**



Up to
40%
more yield
per year

ST-2000

The Solar-Trak 2000 is a biaxial solar tracking system (azimuth and elevation) for photovoltaic modules. The system is of modular design and can be customized to all module sizes. Depending on the requirements the system offers module surfaces between 20 47 m² with a power range of 2.000 to 7.200 Wp.

The astronomical control aligns the system at any weather condition perfectly to the sun. By this the solar modules are immediately ready to generate electricity, even with quickly varying cloudiness. The ST 2000 produces up to 40% more output compared to a fixed installation.

Technical data

Mast's height/flange:	3.000 mm or 4.000 mm, a mast extension is optional
Mast:	conical, 8 angularly, hot-dip galvanized steel
Control:	microprocessor, exact astronomical calculation of the suns position, sensorless
Operating voltage:	24 V DC
Current:	standby < 25mA, operation approx. 1500mA
Power consumption:	on average 4 Watt, maximum 10 Watt
Monitoring:	serial interface, Can Bus, failure memory
Azimuth angle:	> 270 °
Elevation angle:	12° to 78°
Payload:	max. 800 kg
Module surfaces width:	up to 7.600 mm
Module surfaces height:	up to 6.800 mm
Total module surface:	from 20 m ² to 47 m ²
Electric connection:	attachment for terminal box in the mast
Wind speed:	statically calculated according to DIN 1055-4 systems for all wind areas available max. 162 km/h to 42 m ² possible
System weight:	800 – 1000 kg depending on size

All data are typical data. Sunenergy reserves the right of engineering changes.

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