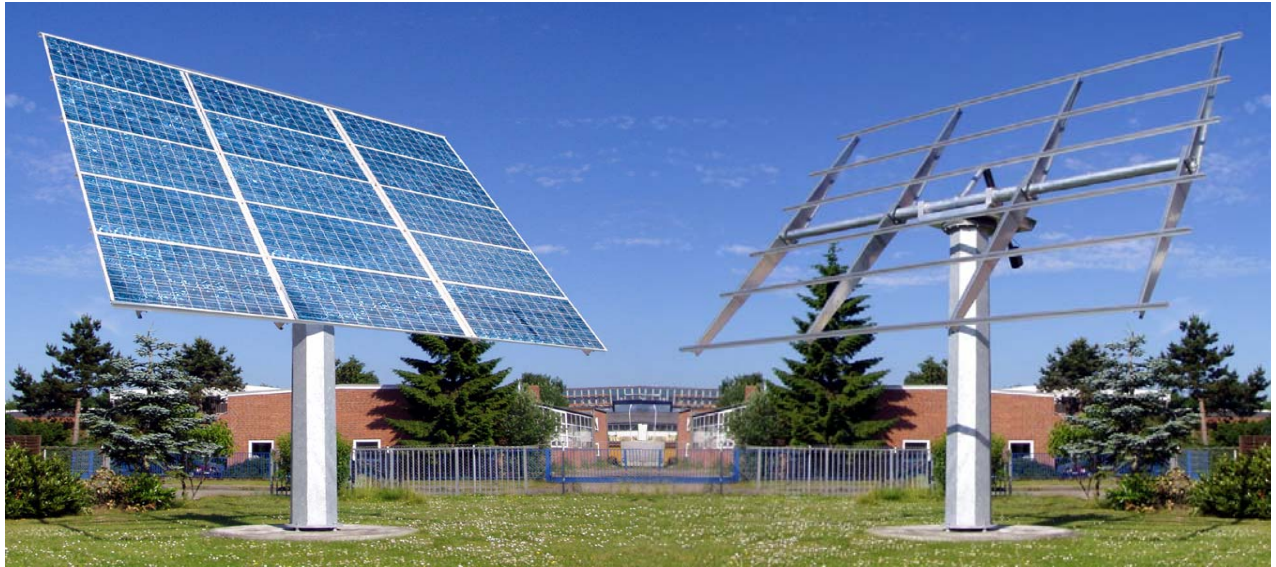


## Tracking System ST 2000



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 – 42 m<sup>2</sup> with a power range of 2.000 – 6.000 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, 4.000 mm, a mast extension is optional
Distance from foundation to bottom edge of modules:	without mast extension 600 - 1.200 mm depending on model and module
Mast:	conical, 8 angularly, hot-dip galvanized steel
Control:	microprocessor, exact astronomical calculation of the suns position,
Operating voltage:	24 V DC
Power consumption:	typ. 5 – 8 Wh in 24 hours
Data bus:	Can Bus
Azimuth angle:	> 270 °
Elevation angle:	22° to 85°
Payload:	max. 550 kg
Module surfaces width:	from 5.100 mm to 6.600 mm
Module surfaces height:	from 4.600 mm to 6.800 mm
Total module surface:	from 20 m <sup>2</sup> to 42 m <sup>2</sup>
Electric connection:	attachment for terminal box in the mast
Wind speed:	designed for 139 km/h of permanent load, 190 km/h short time
System weight:	450 – 600 kg according to model

All data are typical data. Solar-Trak reserves the right of engineering changes.