



DEGER TOPtraker® 8.5

A high-yield solar electric power station ...

With this system it becomes a reality. If you use of TOPtraker tracking systems, you have acknowledged the signs of our times: Apart from thinking and acting in accordance with environmental protection and nature, you also profit from increased yields and the associated amortization.

Maintenance-free. Long-lived. Recyclable.

The systems designed to these exacting parameters are mass-produced in an ISO 9001-certified factory under environmentally sound conditions. Altogether, the

TOPtraker systems are 100% recyclable as true valuable substances. In comparison to rigid systems, after conclusion of the useful life 25% less electrical scrap will occur! The proven static design of the TOPtraker is based on DIN 1055-4 (8.86) and DIN 1056 (10.84).

The operating principle

The control unit DEGERconector detects the brightest spot in the sky and rotates the module area into this direction. The DEGER TOPtraker has the mechanics of a single-axis tracking unit built in. During the daily and yearly course, loss angles result between module area and the sun. These cannot be completely counterbalanced with any mechanical method. However, by the available degree of freedom of the mechanics and the momentary position of the sun the DEGERconector can calculate the smallest loss angle and then adjust the module area with the smallest possible deviation. This technology works also with cloudy sky, rain and fog; i.e. if on a day that at first begun sunny, in the afternoon clouds draw up from the west, the module area will rotate slightly back toward the east according to the irradiation. With a totally cloud-covered sky, the module area is rotated into the direction of the strongest irradiation in order to make the best also from bad weather situations.



Efficiency...

using the example of a 100 kWp system in a region where rigid systems yield around 1,100 kWh/kWp per year.

greater yield – a higher return. TOPtraker	Rigid system yield in 20 yrs:	2,200,000 kWh at 45 ct/kWh =	990,000,-
	TOPtraker yield in 20 yrs:	2,750,000 kWh at 45 ct/kWh =	<u>1,237,500,-</u>
		Profit	247,500,-
	Higher purchase price of TOPtraker vs. rigid approx.		25,000,-
		End profit	222,500,-

Available at
any time from
Solosol

**Added yield 20-30%
Only possible
with the patented
system control
DEGERconector.**

Solosol Power

Palau No. 10, 03700 Denia, Alicante, Spain

Tel: 0034 679 213 776

Email: info@solosol.net

