



DEGERtraker

300EL

1000EL

date 05/05

Maximum solar yield...

can be achieved with the **DEGERtraker** tracking system. By using the **DEGERtraker** tracking system, you are truly acknowledging the signs of our times: not only are you protecting our environment and nature but you are increasing your yield and thus achieving amortisation sooner.

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. **DEGERtraker** systems are truly 100% recyclable. Compared with rigid systems, the amount of electronic scrap after useful life is 40% lower!

Quick installation.

Pre-assembled components and detailed instructions allow installation within less than two hours (after the mast has been erected).

A technology to rely on.

The fact that the patent-protected control system and the utility model-protected mechanical system were awarded the inventor's prize of the federal state of Baden-Württemberg in 2000 shows that the **DEGERtraker** meets the demands of both experts and investors.

The proven static design of the **DEGERtraker** is based on DIN 1055-4 (8.86) and DIN 1056 (10.84).

Tracking system

for free-standing

applications,

on buildings and

for fitting on different

mast heights

Added yield 35-45%



Efficiency...

... using the example of a 5 kWp installation in a region where rigid systems yield ca. 1.300 kWh / kWp per year.

Rigid system yield in 20 yrs:	130,000 kWh
DEGERtraker yield in 20 yrs:	182,000 kWh

Additional yield	52,000 kWh
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It is up to you to decide whether to save ca. 12,000 Euros on investment costs for stand-alone systems (40% less space required) or whether you would like to convert the additional yield into more comfort.

... greater yield – double the return

Available at any time:

From your solar equipment retailer.

More sun for the money



The difference lies in the technology.



DEGERtraker
art.no.:

300EL
28 11 310

1000EL
28 11 010

date 05/05

	300EL	1000EL
For solar yield	100 - 400 Wp	600 - 1300 Wp
Module area up to	3 m ²	10 m ²
Burden	55 kg	1.500 kg
Rotation angle east-west	200°	360°
Elevation inclination angle	15...90°	55/45° ...90°
Operating voltage	9...34 VDC, 40...370 VDC oder 30...265 V-AC	
Control unit	DEGERconecter	
East-west drive	drive in the power head	linear drive, 90 cm stroke path
Elevation drive	linear drive, 20 cm stroke path	linear drive 60 cm stroke
Power supply	<ul style="list-style-type: none"> - directly from the solar module or string - from a battery for stand-alone-systems - from the AC grid - or from an additional 1-5 Wp solar module for selfsufficient systems 	
Internal power consumption: control mode	0,2 Watt	
during drive operation	2 Watts	4 Watts
Power consumption per year	1 kWh	1...2 kWh
Mast length	mast not included Ø 90mm	3,0...7,0 m
Weight (without mast)	30 kg	195 kg
Maintenance	maintenance-free	
Geographic regions	between 25th ... 90th degree of latitude	equator ... 45th degree of latitude

Dual-axis, active tracking systems to suit most solar modules.

Scope of delivery:

Complete dual-axis tracking system, 1000EL with mast, aluminium solar module carrier system to fit the respective module type, DEGERconecter control electronics with energy converter for extremely economical operation, foundation plan, construction plan.



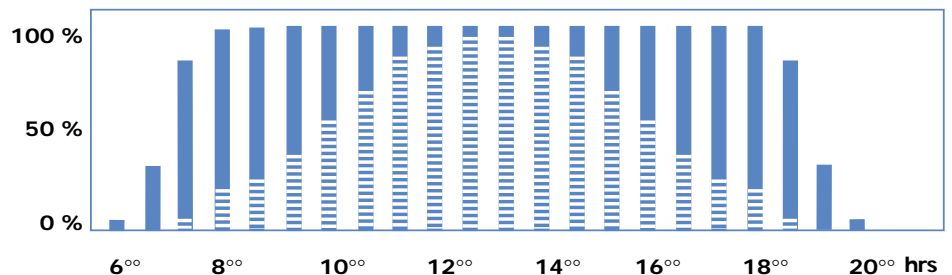
Functioning

The DEGERconecter control unit detects the brightest spot in the sky and adjusts the module surface's position to face it. The DEGERtraker's mechanical system allows the accurate adjustment of the module surface to the sun all year round.

This technology also works in cloudy, rainy or foggy conditions. If, for instance, a day starts off sunny with clouds moving in from the west in the afternoon, the module surface will then move back slightly towards the east. On a completely overcast day, the module surface is adjusted to a horizontal position, or to face the point of the strongest irradiation. This allows to make the most out of adverse weather conditions.

Performance diagramm at the example of a sunny summer's day

fixedly installed DEGERtraker



More sun for the money

Steinshalde 56 • 72296 Schopfloch-Oberflingen / Germany
phone: +49 (0) 74 43 - 24 06 -0 • fax: 24 06 10
eMail: info@DEGERenergie.de • www.DEGERenergie.de

