

Data sheet

DEGERtraker 3000HD – Dual-axis, active



DEGERtraker 3000HD
with concrete foundation for open land installation



DEGERtraker 3000HD
without concrete foundation for roof installation

Dual-axis, active tracking systems suitable for all current solar modules

Power spectrum:

- Module output increase up to 45% for all photovoltaic uses.
- For open spaces, buildings and for installation with different mast lengths.
- For all current modules.
- Worldwide applicability.

Rated power (up to the module type)	2.000 ... 4.000 Wp
Module area up to	25 m ²
Rotation angle east – west	360° with adjustable limit switches
Elevation	15°-90°
Control unit	DEGERconecter
Operating voltage	80 ... 265 VAC / 80 ... 380 VDC
East –west drive	drive integrated in the rotating head
Elevation drive	1.000 mm stroke path
Internal power consumption:	
control mode	1 Watt
with operating drives approx.	7 Watts
Power consumption per year. approx.	8 kWh
Mast height	3,3 m ... 5,5 m
Load capacity	170...330* km/h
Weight (excluding mast)	500 kg
Maintenance	maintenance-free
Art.no.	1310001

The systems are designed in accordance with DIN 1055-4 (03/2005). Project-specific assimilation to regional provisions. Subject to technical changes for future improvements. * designed with planning tool.

Scope of delivery: Complete dual-axis tracking system, mast, aluminium module carrier system suitable to applied module type, control electronic DEGERconecter with energy converter for effective power-saving operation, foundation drawing and an installation manual.

Additional support: Insurance packages, financial concepts and maintenance contracts (Spare Care & Total Care).

Advantages that pay off

Technology	Security	Return
➤ Market leader for more than 10 years	➤ Highest energy surplus	➤ Highest return
➤ Patented control - DEGERconecter	➤ Maintenance contracts for projects	➤ Best price-performance ration
➤ Easy Plug & Play installation	➤ Engineering (Made in Germany)	➤ Quick ROI
➤ Lowest energy consumption	➤ Availability for more than 99,9%	➤ Fastest amortization

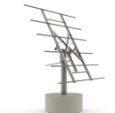
Systems are produced environmentally friendly in an ISO 9001 certified company. Checked statics are certified by TÜV. Certified in North America by directives of the UL/CSA.



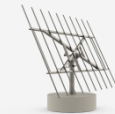
DEGERtraker 3000HD



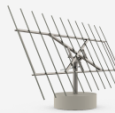
DEGERtraker 5000HD



DEGERtraker 3000NT/HD



DEGERtraker 5000NT/HD



DEGERtraker 7000NT



DEGER TOPtraker 8.5



DEGER TOPtraker 8.5



DEGER TOPtraker 25HD



DEGER TOPtraker 25HD

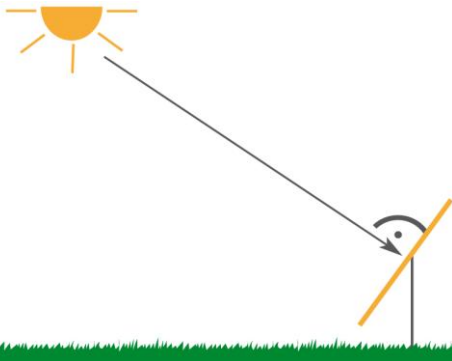


DEGER TOPtraker 40NT

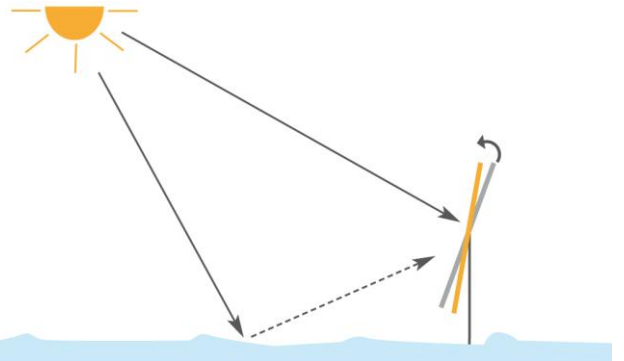
THE INTELLIGENT CONTROL DEGERconecter

Astronomical control
 DEGERconecter

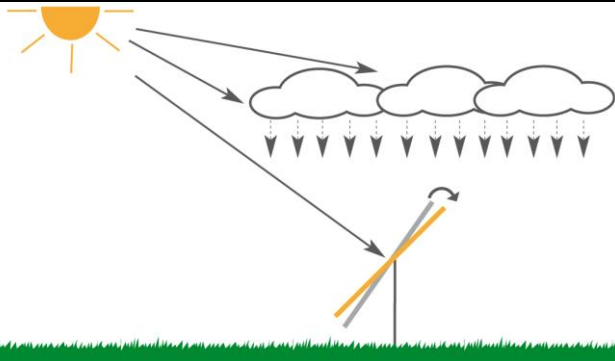
The effectiveness of solar plant depends essentially on how much energy the solar cells are able to collect. The intelligent control of the DEGERenergie tracking systems guarantees the optimum utilization of all incidental light energy.



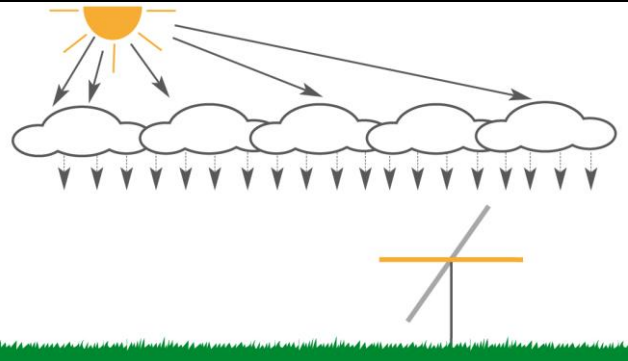
With bright sunshine: The DEGERtraker aligns itself with the brightest point in the sky.



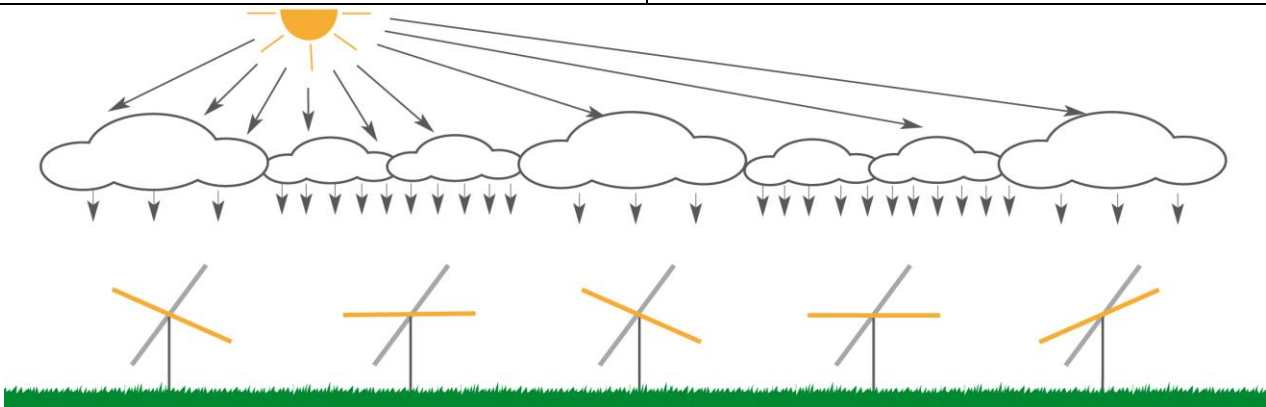
Snow: The DEGERenergie tracking system uses direct light irradiation as well as the energy of reflected light.



Scattered clouds: beside direct solar radiation also diffuse light is used optimally.



Overcast sky: the system detects the brightest spot and directs itself towards the spot.



Varying light conditions: In solar parks the lighting conditions vary for each single DEGERtraker because of different clouds. The individual aligns every DEGERtraker optimally to the brightest light source and guarantees therefore the biggest possible energy gain.