

# DATA SHEET

## DEGERtraker® 6000NT, DUAL-AXIS, ACTIVE



### DEGERtraker® 6000NT with concrete foundation for open land installation

Rated power (up to the module type)	4.000 ... 7.000 Wp
Module area up to	53 m <sup>2</sup>
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	1.100 mm stroke path
Internal power consumption:	
control mode	1 Watt
with operating drives approx.	7 Watts
Power consumption per year. approx.	9 kWh
Mast height	3,3 m ... 5,5 m
Load capacity	130 ... 300* km/h
Weight (excluding mast)	1.000 kg
Maintenance	maintenance-free
Art.no.	1600001

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.

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

- ▶ Market leader for more than 10 years
- ▶ Patented control – DEGERconecter
- ▶ Easy Plug & Play installation
- ▶ Lowest energy consumption

#### SECURITY

- ▶ Highest energy surplus
- ▶ Maintenance contracts for projects
- ▶ Engineering (Made in Germany)
- ▶ Availability for more than 99.9 %

#### RETURN

- ▶ Highest return
- ▶ Best price-performance ration
- ▶ Quick ROI
- ▶ Fastest amortization

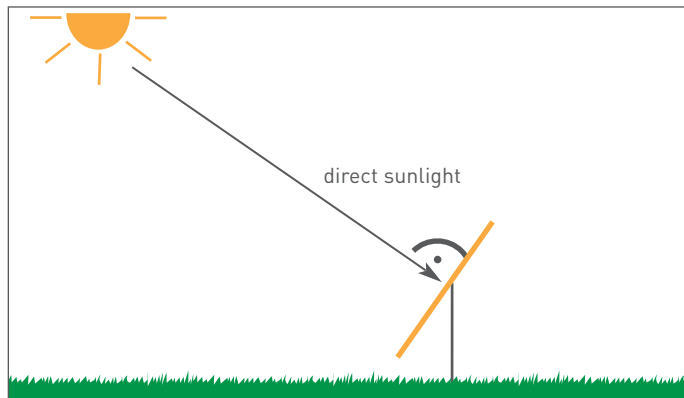


# THE INTELLIGENT CONTROL

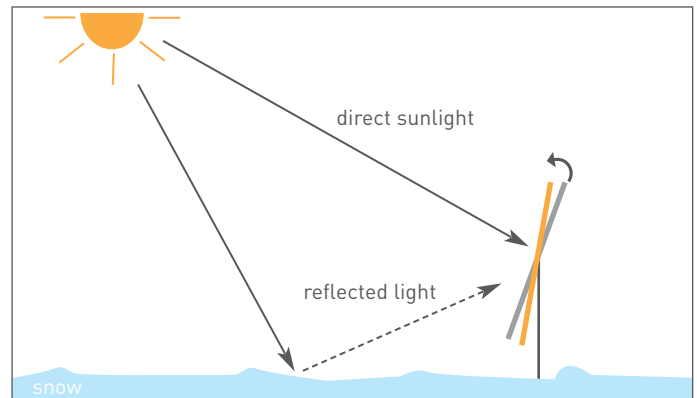
## DEGERconecter



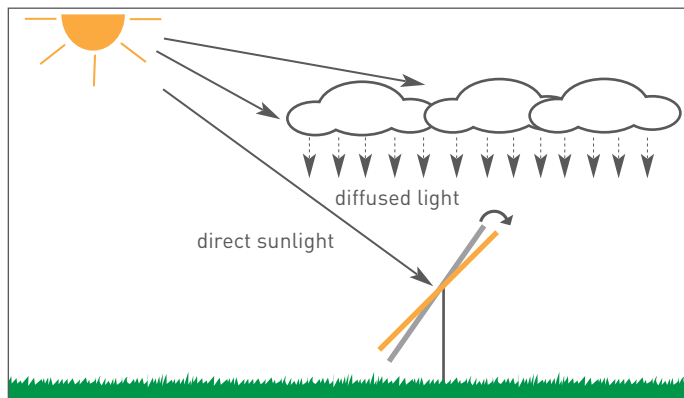
The effectiveness of solar plant depends essentially on how much energy the solar cells are able to collect. The intelligent control of the DEGERenergie tracking systems guarantees the optimum utilization of all incidental light energy.



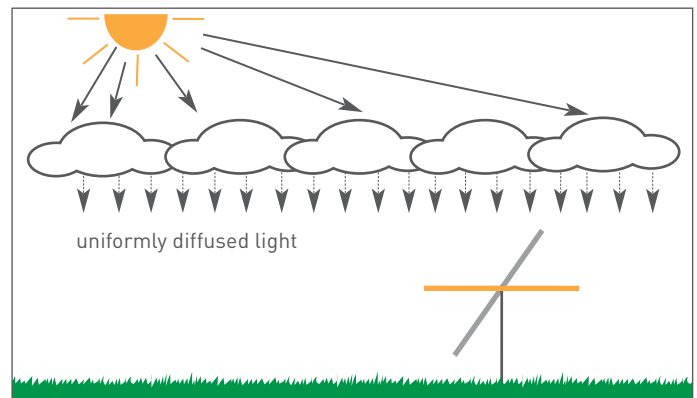
**With bright sunshine:** The DEGERtraker aligns itself with the brightest point in the sky.



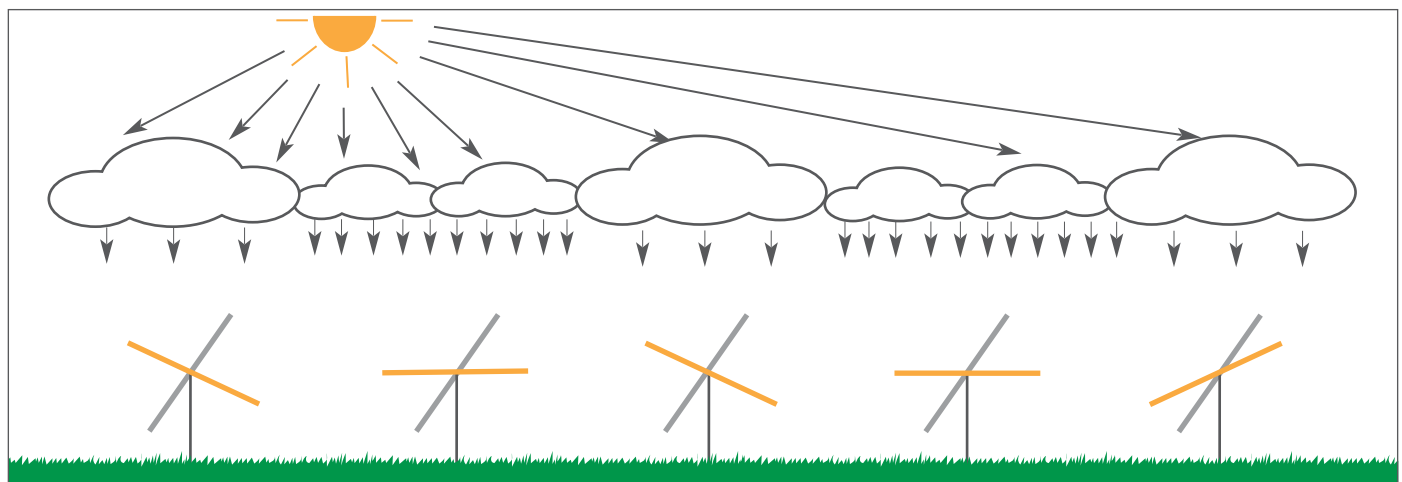
**Snow:** The DEGERenergie tracking system uses direct light irradiation as well as the energy of reflected light.



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