

# DATA SHEET

## DEGERtraker 5000NT DEGERtraker 3000NT DUAL AXIS TRACKING SYSTEM

DEGERtraker 9000NT

DEGERtraker 7000NT

DEGERtraker 6000NT

DEGERtraker 5000NT/HD/CT

DEGERtraker 3000NT/HD/CT

DEGER TOPtraker 40NT

DEGER TOPtraker 8.5

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

### RANGE OF SERVICES

- ▶ Yield increase of approx. 45 percent for all PV-applications
- ▶ Simple plug-and-play installation
- ▶ Decentralized control
- ▶ Designed in Germany

for open land



for open land



	DEGERtraker 5000NT	DEGERtraker 3000NT
Rated power (depending on module type)	4,000 ... 7,000 Wp	2,000 ... 4,000 Wp
Module surface up to	40 m <sup>2</sup>   430 sqft	25 m <sup>2</sup>   269 sqft
Max. module surface	8.3 m x 5.3 m   27.2 ft x 17.4 ft	5.05 m x 5.05 m   16.6 ft x 16.6 ft
Rotation angle East – West	300°	300°
Rotating angle elevation	20° ... 90°	20° ... 90°
Control	MLD	MLD
Operating voltage	80 ... 265 VAC / 80 ... 380 VDC	80 ... 265 VAC / 80 ... 380 VDC
Drive East-West	Gear in drive head	Gear in drive head
Drive elevation	1,000 mm stroke	1,000 mm stroke
Power consumption:		
Control mode	1 Watt	1 Watt
with running drive approx.	15 Watt	10 Watt
Internal consumption per year approx.	8 kWh	7 kWh
Mast length	3.3 m ... 5.5 m   10.8 ft ... 18 ft	3.3 m ... 5.5 m   10.8 ft ... 18 ft
Max. permissible wind velocity	102 ... 300* km/h   63 ... 186* mph	102 ... 300* km/h   63 ... 186* mph
Weight (without mast)	650 kg   1,433 lbs	600 kg   1,323 lbs
Materials	Steel, aluminum, stainless steel	Steel, aluminum, stainless steel
Article-No.	1500001	1300001

\*Designed with planning tool.

### SCOPE OF DELIVERY

Complete dual axis tracking system optionally with different mast lengths, solar module carrier system made of aluminum, matching the module type used, patented control MLD (Maximum Light Detection) with DEGERconecter, wind guard, foundation plan, assembly instructions.

### ADDITIONAL PERFORMANCES

Insurance packages, financing concepts and extended warranty, on-site service

### ADVANTAGES THAT PAY OFF

#### TECHNOLOGY

- ▶ Efficiency because of intelligent tracking
- ▶ Maximum Light Detection control concept
- ▶ Premium product from the global market leader
- ▶ Lowest internal consumption

#### SAFETY

- ▶ Globally best-selling system
- ▶ Long-term lowest running costs guaranteed
- ▶ Wind tunnel tested
- ▶ 99.9 percent availability
- ▶ Most experienced tracking system specialist

#### PROFIT

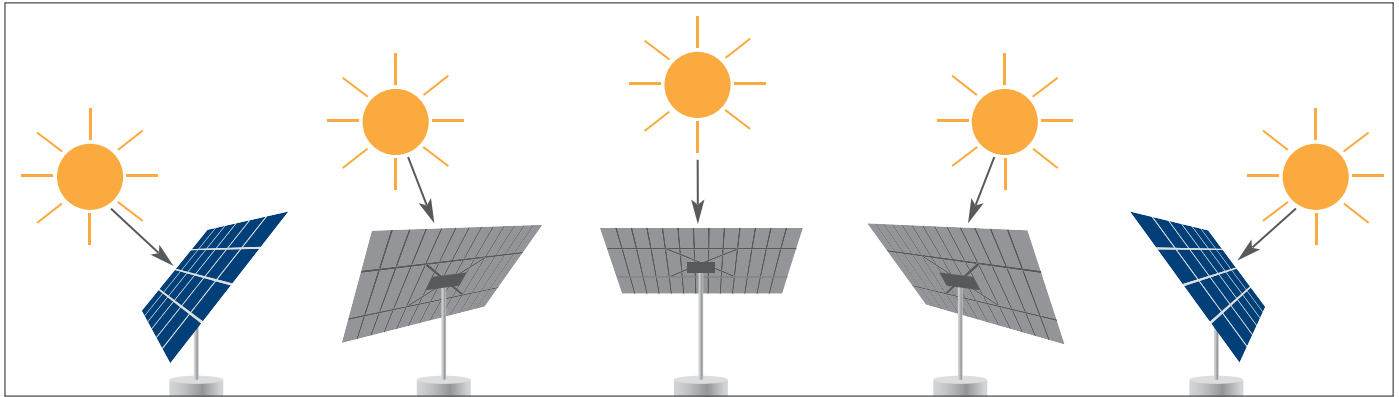
- ▶ Investments and higher surpluses can be reliably calculated
- ▶ Most cost-effective electric power generation
- ▶ Fastest payoff
- ▶ Globally highest surplus yield among tracking systems

# THE INTELLIGENT CONTROL

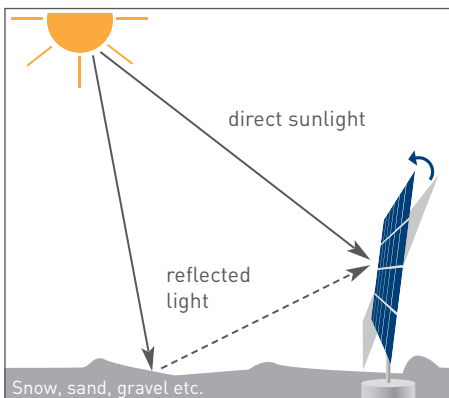
## MLD TECHNOLOGY



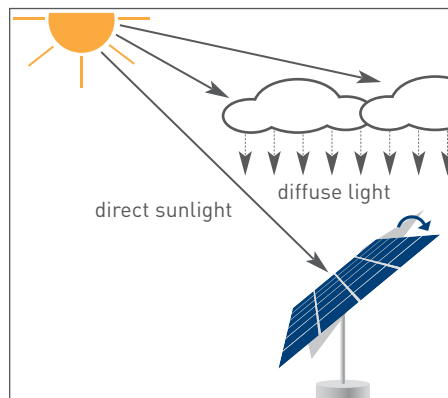
The efficiency of a solar plant depends essentially on how much energy the solar cells are able to collect. The intelligent control of the DEGERtraker guarantees the optimal utilization of irradiation.



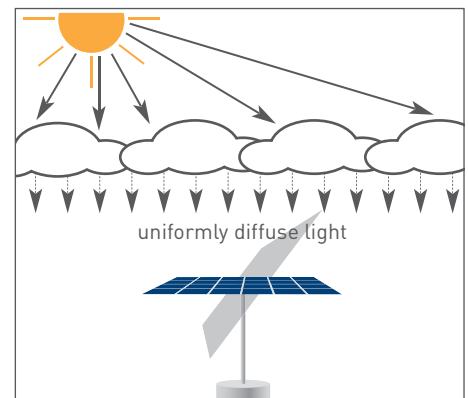
**Sunshine:** The DEGERtraker directly faces the sun all day.



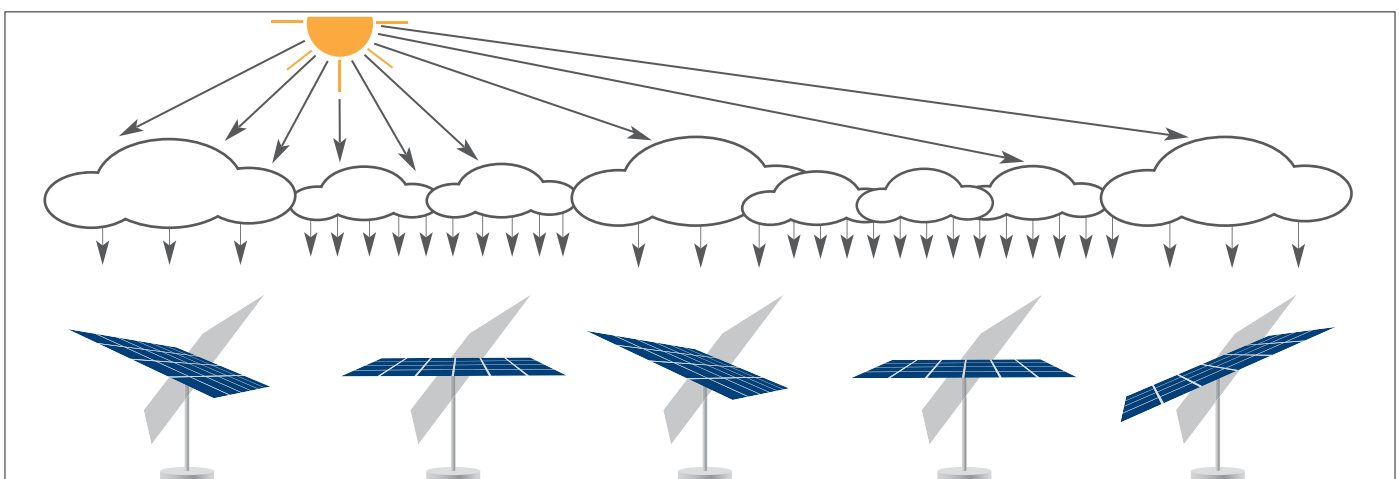
**Reflecting surface:** The DEGERtraker uses direct solar irradiation as well as energy from reflected light.



**Partly clouded:** In addition to the direct solar irradiation, diffused light is also used to maximize the effect.



**Overcast sky:** The DEGERtraker catches all the diffused light by moving to horizontal position.



**Varying light conditions:** Because of different levels of cloudiness, the light conditions in solar parks vary for each DEGERtraker. The individual control makes sure every DEGERtraker is optimally oriented to the brightest source of irradiation. This guarantees the highest energy yield possible.