

DATA SHEET

DEGER TOPtraker® 40NT DEGER TOPtraker® 8.5 SINGLE AXIS TRACKING SYSTEM



DEGERtraker 9000NT



DEGERtraker 7000NT



DEGERtraker 6000NT



DEGERtraker 5000NT/HD/CT






DEGERtraker 3000NT/HD/CT



DEGER TOPtraker 40NT



DEGER TOPtraker 8.5

<p>Single axis, active tracking systems, suitable for all common solar modules</p> <p>RANGE OF SERVICES</p> <ul style="list-style-type: none"> ▶ Yield increase of approx. 30 percent for all PV-applications ▶ Simple plug-and-play installation ▶ Decentralized control ▶ Designed in Germany 	<p>for open land</p> 	<p>for building integration ▶</p>  <p>◀ for open land</p> 
--	---	--

	DEGER TOPtraker® 40NT	DEGER TOPtraker® 8.5
Rated power (depending on module type)	4,000 ... 7,000 Wp	500 ... 1,300 Wp
Module surface up to	40 m ² 430 sqft	8.5 m ² 92 sqft
Max. module surface	8.3 m x 5.3 m 27.2 ft x 17.4 ft	5.1 m x 1.7 m 16.7 ft x 5.6 ft
Elevation angle	Standard 30° / optional 0° and 15°	30°/optional 20°
Rotating angle East – West	+/- 45°	+/- 45°
Control	MLD	MLD
Operating voltage	24 VDC	24 VDC
Drive East-West	850 mm stroke	380 mm stroke
Power consumption:		
Control mode	0.1 Watt	0.1 Watt
with running drive approx.	12 Watt	9 Watt
Internal consumption per year approx.	2.5 kWh	1 kWh
Mast length	4 m / optional 5 m 13.1 ft / optional 16.4 ft	--
Max. permissible wind velocity	102 ... 300* km/h 63 ... 186* mph	130 ... 300* km/h 81 ... 186* mph
Weight (without mast)	650 kg 1,433 lbs	125 kg 276 lbs
Materials	Steel, aluminum, stainless steel	Steel, aluminum, stainless steel
Article-No.	1130001	1110001

*Designed with planning tool.

SCOPE OF DELIVERY

Complete single axis tracking system (40NT 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

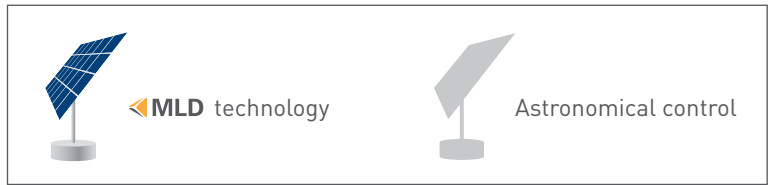
- ▶ Globally best-selling system
- ▶ Long-term lowest running costs guaranteed
- ▶ Wind tunnel tested
- ▶ 99.9 percent availability
- ▶ Most experienced tracking system specialist

PROFIT

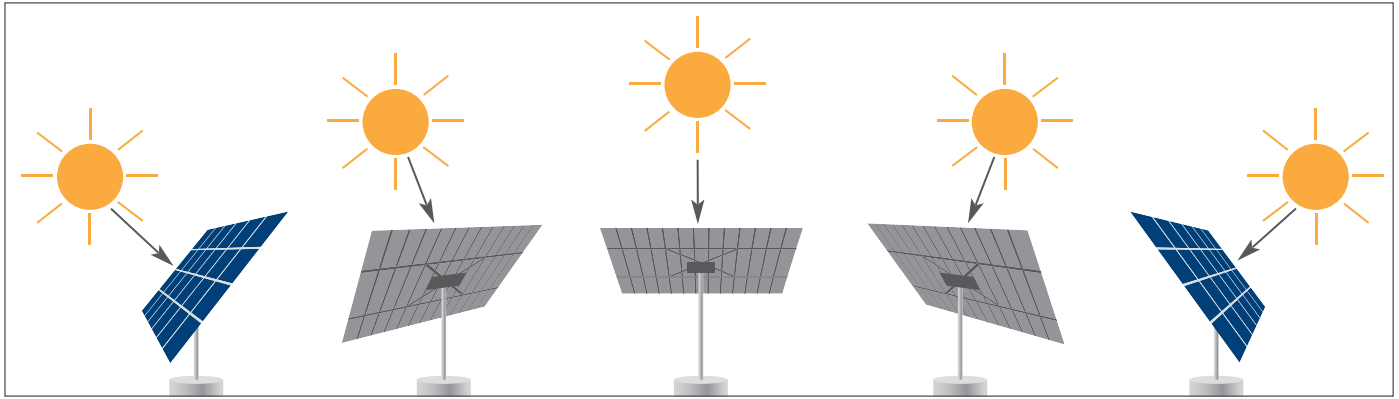
- ▶ Investments and higher surpluses can be reliably calculated
- ▶ Most cost-effective electric power generation
- ▶ Fastest payoff
- ▶ Globally highest surplus yield among tracking systems

THE INTELLIGENT CONTROL

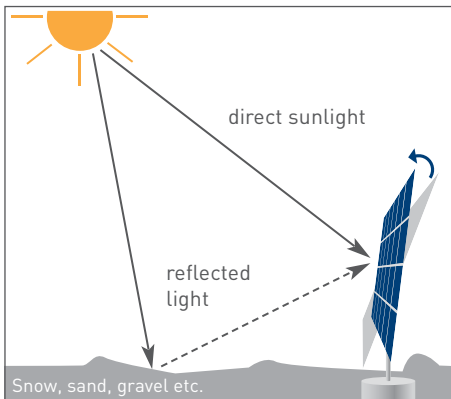
MLD TECHNOLOGY



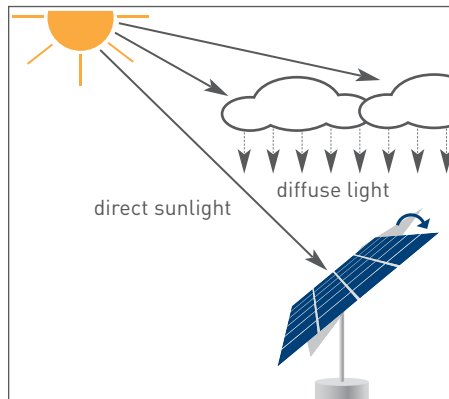
The efficiency of a solar plant depends essentially on how much energy the solar cells are able to collect. The intelligent control of the DEGERtraker guarantees the optimal utilization of irradiation.



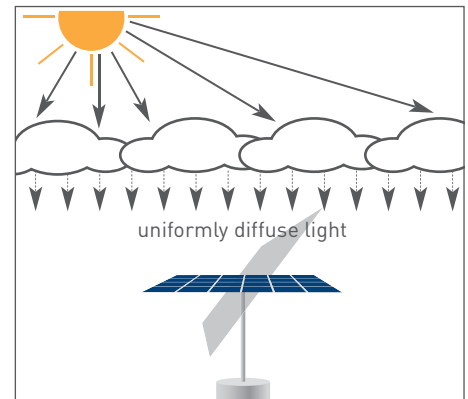
Sunshine: The DEGERtraker directly faces the sun all day.



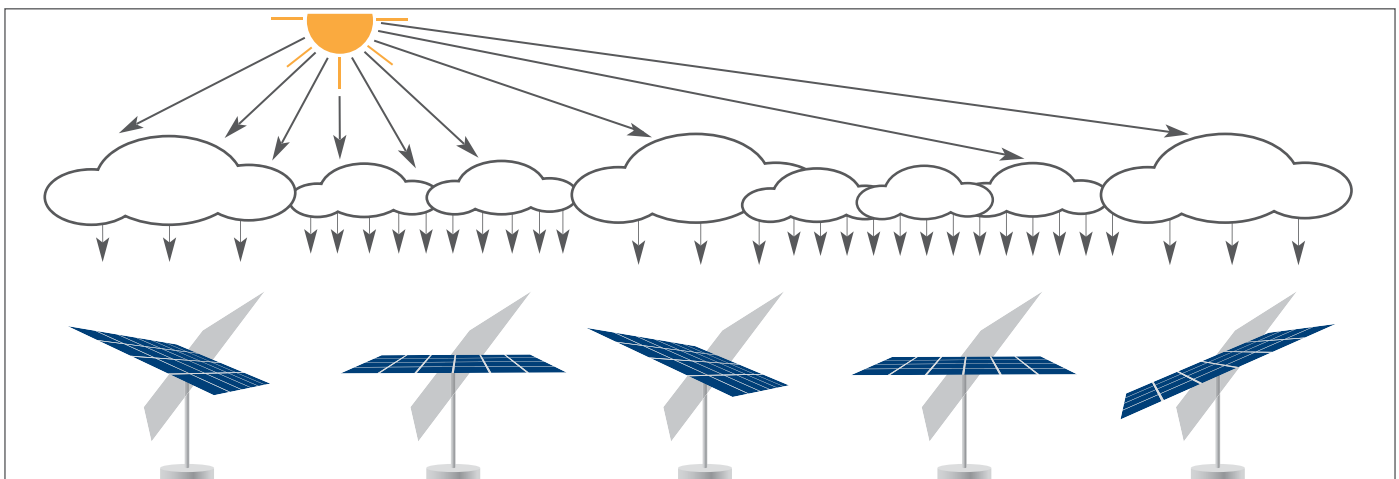
Reflecting surface: The DEGERtraker uses direct solar irradiation as well as energy from reflected light.



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.