

DEGERtracker S60H

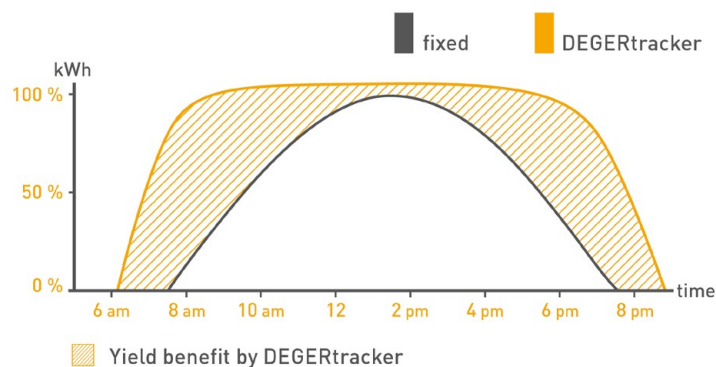


SINGLE-AXIS TRACKING SYSTEM — FOR ROUGH CONDITIONS

Single-axis, active tracking systems from DEGER enable the optimal utilization of all the irradiation energy, suitable for all widely-sold solar modules. With the patented sensor-based MLD technology you can achieve yield increases of approx. 30% for all photovoltaic applications. The DEGERtracker S60H was specially designed for high

wind loads – and based on co-development with Wacker Ingenieure. An easy plug-and-play installation is realized by means of the stable supporting construction. The decentralized control enables maximum independence. DEGERtrackers are “designed in Germany”- and stand for quality and durability.

Rating chart using a sunny summer day as an example



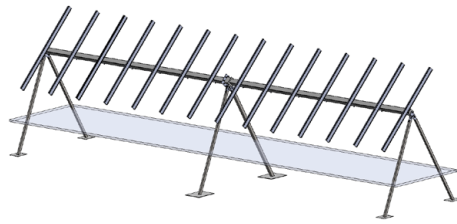
Advantages

- Yield increase with MLD-Technology
- Yield increase with snow sensor
- Fast and simple installation and easy handling
- Robust durable technology
- Automatic reset in initial position at night
- Up to 100 trackers to be managed by one Central Control Box (CCB)
- Wind guard with anemometer, in storm conditions DEGERtracker is placed automatically in security position
- Based on co-development with Wacker Ingenieure

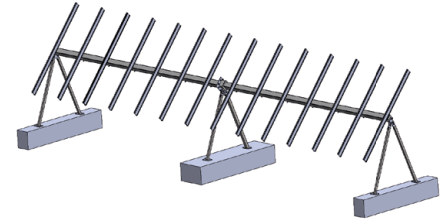
Technology

- Efficiency with intelligent tracking
- Maximum Light Detection control concept
- Premium product from the global market leader
- Low power consumption

Technical Specification



**DEGERtracker S60H
with steel foundation ⁽¹⁾**



**DEGERtracker S60H
with concrete foundation ⁽¹⁾**

BASIC DATA

Nominal output (depending on module)	6,500 – 8,300 Wp DC	
Tracking type	1-axis	
Module surface up to	41,6 m ²	
Max. module surface (W x H)	13 m x 3,4 m	
60-cell Standard Module	max. 26	
72-cell Standard Module	max. 21	
Elevation angle	0°	
Approvals	CE, EN, UL, QPS	

STRUCTURE

Materials	hot-dip galvanized steel, aluminum, synthetics	
Galvanization	EN ISO 1461 or comparable	
Bond-Type	bolted connection, no welding on site	
Wind tunnel tested	Yes	
Certified statics	Yes	
Weight (without aluminum)	480 kg	380 kg

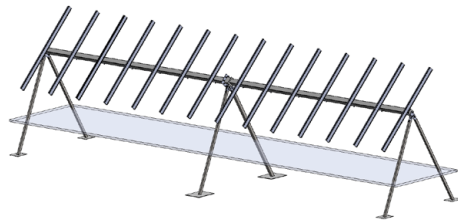
DRIVE

Principle	maintenance free spindle drive	
East-West angle	+/- 45°	
Stroke length	750 mm	
Spin speed	20° / min.	
Sound level (without load)	73 dB(A)	
Protection class	IP 66	

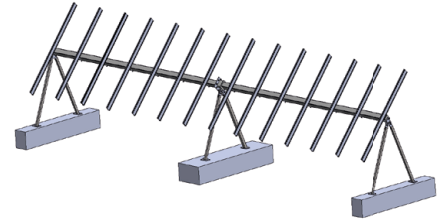
ELECTRONICS & CONTROL

Operating voltage	100 – 240 V AC / 50 – 60 Hz	
Rated input current	2,3 A	
Control	MLD	
Protection class	IP 54	

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POWER CONSUMPTION (APPROX)

Control mode	1 W
With running actuator	50 W – 240 W
Internal consumption per year	15 kWh

POWER OUTPUT

Output voltage	24 V DC
Output current (max.)	10 A

CLIMATIC CONDITIONS

Installation over sea level	max. 2000 m
Permissible ambient temperature	-20°C – +50°C
Humidity range	5% - 95 %
Max. permitted wind speed	167 km/h ⁽²⁾

GROUND CONDITIONS

Max. ground inclination East-West	7°	
Max. ground inclination North-South	1,5° ⁽³⁾	
Soil pressure	—	140 kN/m ²
Earth self-weight	18 kN/m ³	—
Subsoil requirements	excavation (no concrete necessary)	all subsoils

⁽¹⁾ Not available in all countries

⁽²⁾ With full occupancy – Laid out with Planning Tool

⁽³⁾ Tracker axis installed in absolute horizontal position. Adjusted through foundation placement.

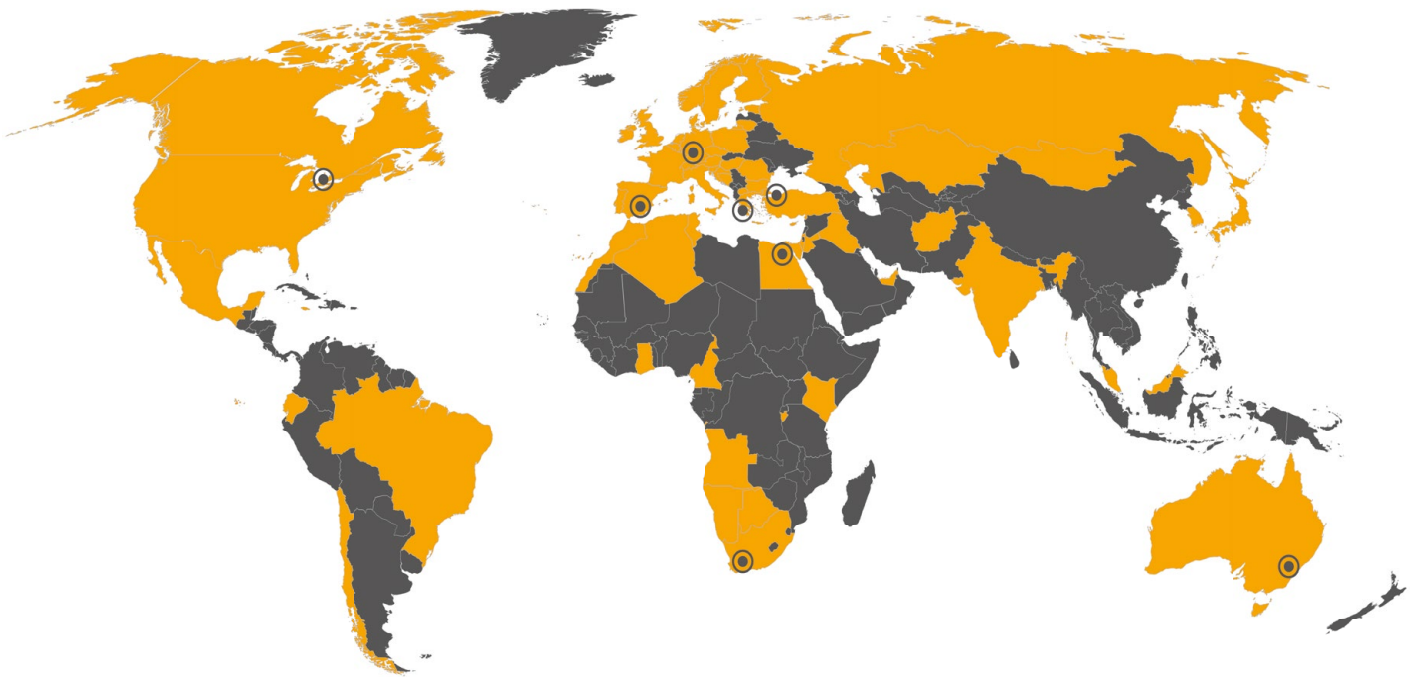
SCOPE OF DELIVERY

Complete single-axis tracking systems, solar module carrier system made of aluminum - matching the module type used, patented MLD control (Maximum Light Detection) with MLD sensor and assembly instructions.

OPTIONAL SERVICES

Assembly support, trainings and on-site service.

**WE ARE AT YOUR SERVICE.
WORLDWIDE.**



- ⊙ Sales and production locations
- Installed DEGER systems

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