

DEGER S60H

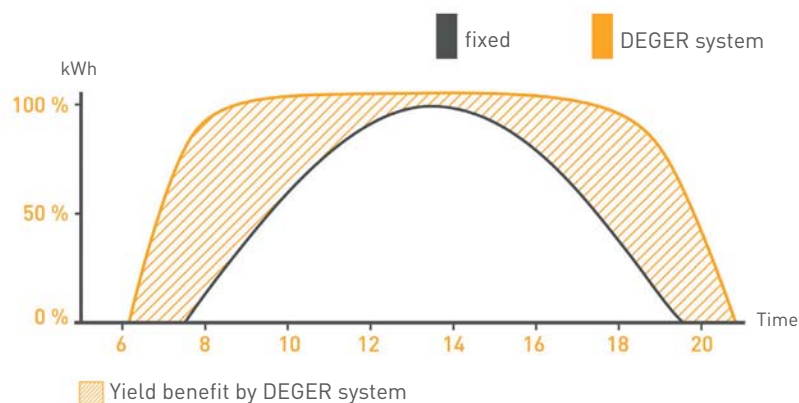


SINGLE-AXIS TRACKING SYSTEM — FOR ROUGH CONDITIONS

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 DEGER 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. DEGER systems 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, wind tunnel tested
- Not linked with other tables
- 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 DEGER system is placed automatically in security position
- Based on co-development with Wacker Ingenieure

Technology

- Efficiency with intelligent tracking
- Maximum Light Detection control concept
- Low power consumption

Technical Specification



DEGER S60H mit Betonfundament ⁽¹⁾

BASIC DATA

Nominal output (depending on module)	6,500 – 8,300 Wp DC	
Tracking type	1-axis	
Module surface up to	41,6 m²	
Max. module surface (W x H)	13 m x 3,4 m	
60-cell Standard Module	max. 26	
72-cell Standard Module	max. 21	
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

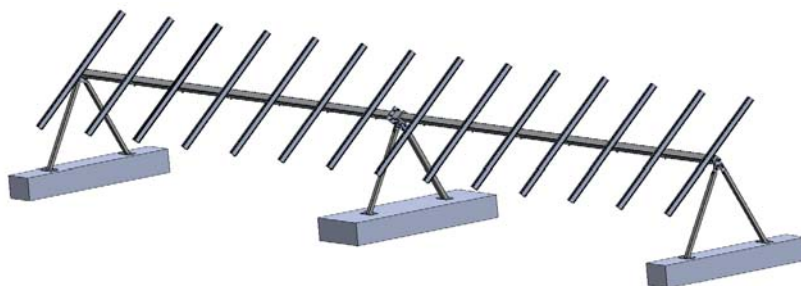
DRIVE

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	

Technical Specification



DEGER S60H mit Betonfundament ⁽¹⁾

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°	
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

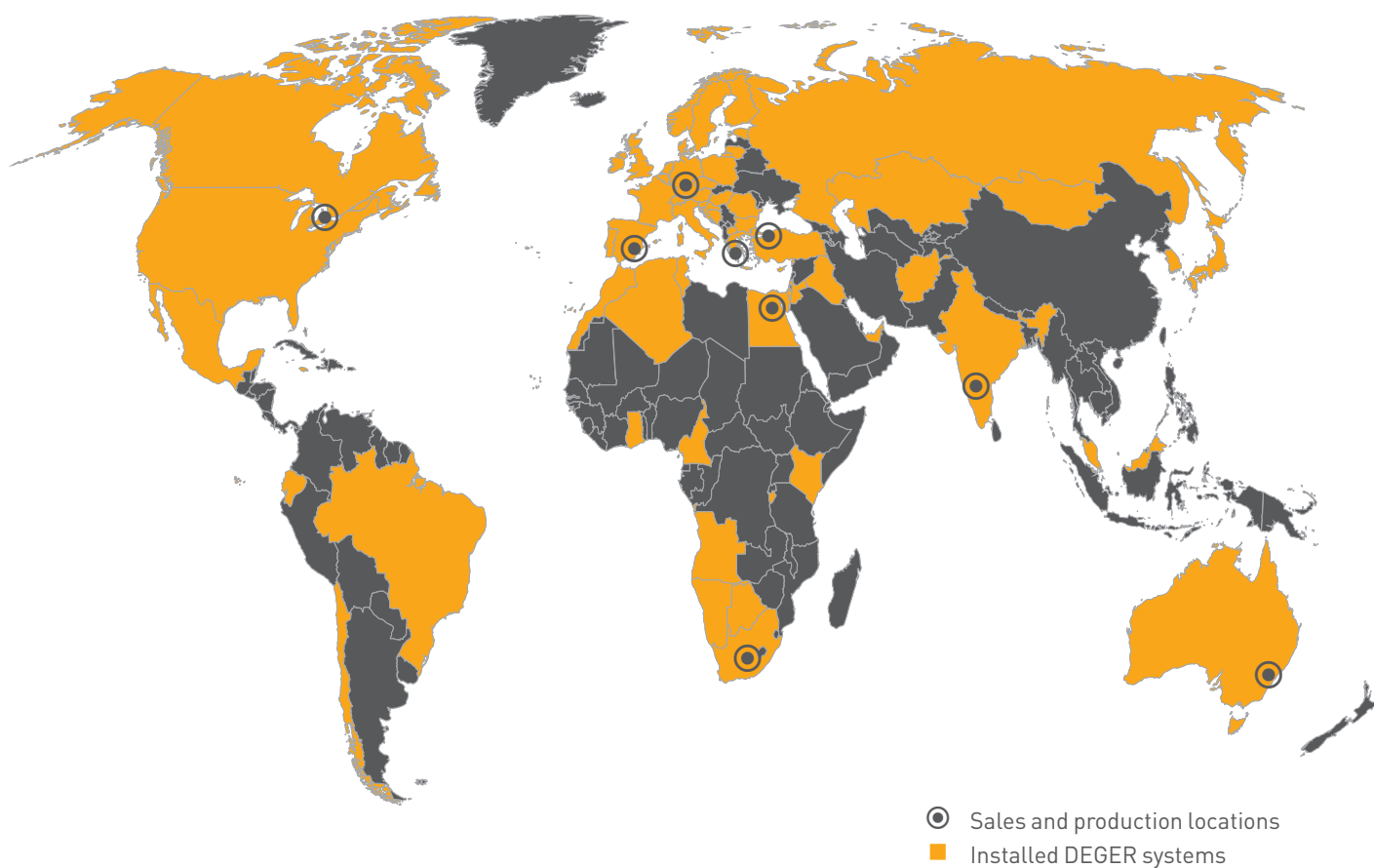
SCOPE OF DELIVERY

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

OPTIONAL SERVICES

Extended warranty, on-site service, trainings.

WE ARE AT YOUR SERVICE.
WORLDWIDE.



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