

DEGER S60H

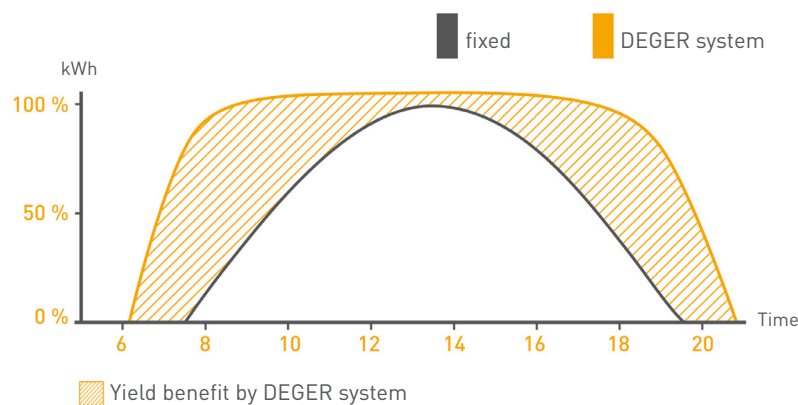


SINGLE-AXIS TRACKING SYSTEM — FOR ROUGH CONDITIONS

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



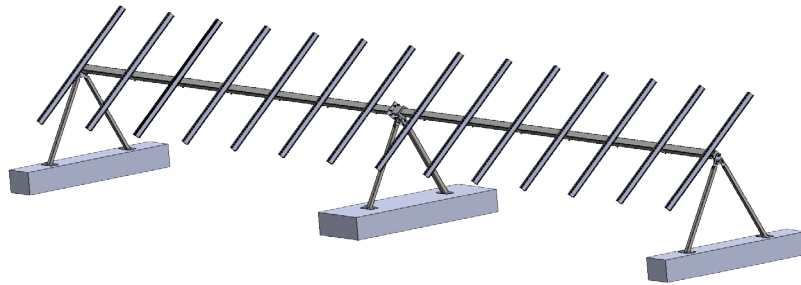
Advantages

- 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

BASIC DATA

Nominal output (depending on module)	6,500 – 8,300 Wp DC
Tracking type	1-axis
Module surface approx.	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
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)	380 kg

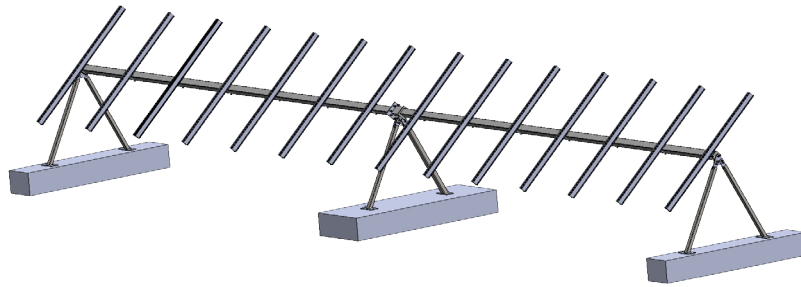
DRIVE

Principle	maintenance free spindle drive
East-West angle	+/- 45°
Stroke length	750 mm
Spin speed	20° / min.
Sound level (without load)	at a distance of 10 meters:20-40 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

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 ⁽¹⁾

GROUND CONDITIONS

Max. ground inclination East-West	7°
Max. ground inclination	1,5° ⁽²⁾
Soil pressure	140 kN/m ²
Earth self-weight	—
Subsoil requirements	all subsoils

[1] With full occupancy – Laid out with planning tool

[2] Tracker axis installed parallel to the ground

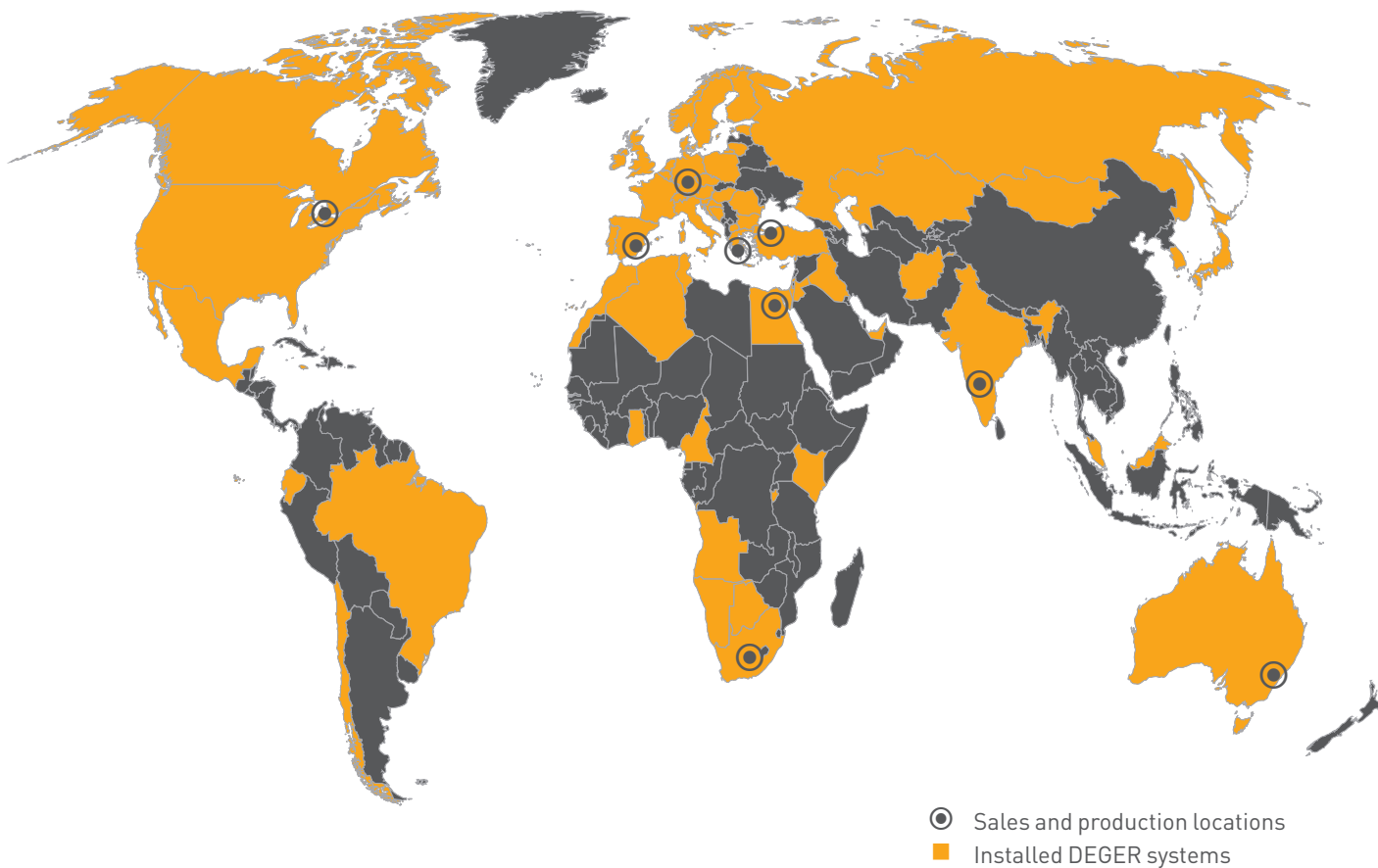
SCOPE OF DELIVERY

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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