

DEGERtracker 8.5

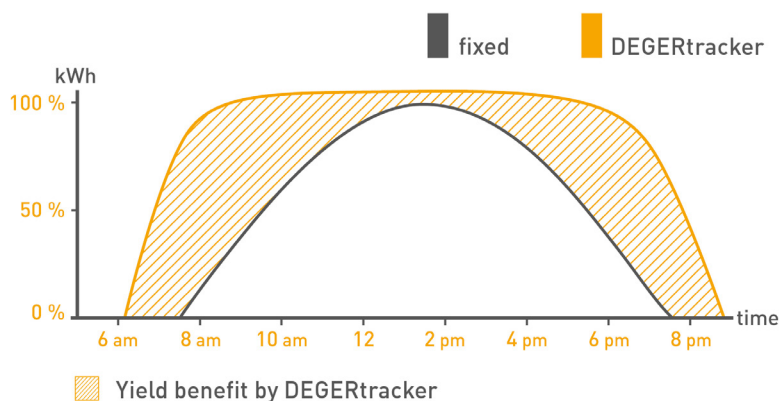


SINGLE-AXIS TRACKING SYSTEM

Single-axis, active tracking systems from DEGER enable the optimal utilization of all the irradiation energy, suitable for all widely-sold solar modules. You can achieve yield increases of approx. 30% for all photovoltaic applications. An easy

plug-and-play installation is realised by means of the prefabricated wiring. The decentralized control enables maximum independence. DEGERtracker 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
- Fast and simple installation and easy handling
- Robust durable technology

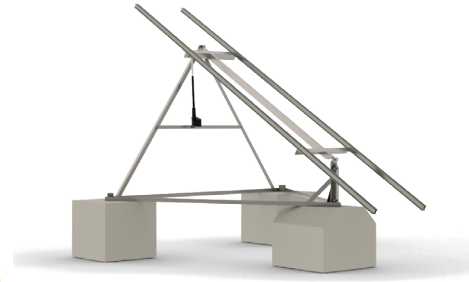
Technology

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

Technical Specification



DEGERtracker 8.5



BASIC DATA

Nominal output (depending on module)	500 – 1.300 Wp
Tracking type	1-axis
Module surface up to	8,5 m ²
Max. module surface (W x H)	5,1 m x 1,7 m
60-cell Standard Module (max.)	5
72-cell Standard Module (max.)	4
Elevation angle	Standard: 30°; Optional 20°
Approvals	UL, CSA
Option for building integration	Yes

STRUCTURE

Materials	Premium steel, aluminum, steel
Galvanization	EN ISO 1461 or comparable
Bond-Type	bolted connection
Weight (without mast/aluminum)	125 kg

DRIVE

Principle	maintenance free spindle drive
East-West angle	+/- 45°
Stroke length	380 mm Hub
Sound level (without load)	40 dB(A)
Protection class	IP 65

ELECTRONICS & CONTROL

Operating voltage	24 VDC
Rated input current	5 A
Control	MLD
Protection class	IP 54

POWER CONSUMPTION (APPROX)

Control mode	0,1 W
With running actuator	9 W
Internal consumption per year	1 kWh

CLIMATIC CONDITIONS

Installation over sea level	max. 2000 m
Permissible ambient temperature	-20°C – +55°C
Humidity range	5% – 95%
Permitted wind speed	130 km/h ⁽¹⁾

(1) With full occupancy – Laid out with planing tool

SCOPE OF DELIVERY

Complete single-axis DEGERtracker 8.5 system, solar module carrier system made of aluminum - matching the module type used, patented MLD control (Maximum Light Detection) with MLD sensor and assembly instructions.

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