

## DEGERtracker 40NT · DEGERtracker 8.5

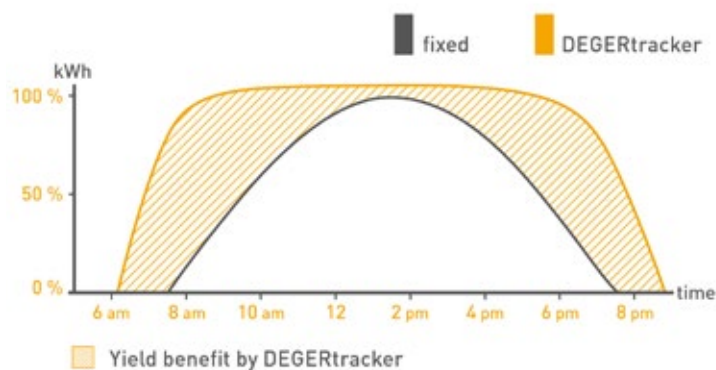


### SINGLE-AXIS TRACKING SYSTEM

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 40 NT**



**DEGERtracker 8.5**

## BASIC DATA

Nominal output (depending on module)	4.000 – 7.000 Wp	500 – 1.300 Wp
Tracking type	1-axis	
Module surface up to	40 m <sup>2</sup>	8,5 m <sup>2</sup>
Max. module surface (W x H)	8,3 m x 5,3 m	5,1 m x 1,7 m
60-cell Standard Module (max.)	24	6
72-cell Standard Module (max.)	20	2
Elevation angle	Standard: 30°; Optional: 0° und 15°	Standard: 30°; Optional 20°
Approvals	CE, EN	UL, CSA
Option for building integration	No	Yes

## STRUCTURE

Materials	Premium steel, aluminum, steel	
Galvanization	EN ISO 1461 or comparable	
Bond-Type	bolted connection, no welt at sight	
Weight (without mast/aluminum)	650 kg	125 kg

## DRIVE

Principle	maintenance free spindle drive	
East-West angle	+/- 45°	
Stroke length	850 mm Hub	380 mm Hub
Sound level (without load)	40 dB(A)	
Protection class	IP 65	

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## ELECTRONICS & CONTROL

Operating voltage	24 VDC	
Rated input current	2,3 A	5 A
Control	MLD	
Protection class	IP 54	

## POWER CONSUMPTION (APPROX)

Control mode	0,1 W	
With running actuator	12 W	9 W
Internal consumption per year	2,5 kWh	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	102 km/h <sup>(1)</sup>	130 km/h <sup>(1)</sup>

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

Vanzator Autorizat pentru ROMANIA



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## SCOPE OF DELIVERY

Complete single-axis tracking system (40NT optionally with different mast lengths), solar module carrier system made of aluminium, matching the module type used, patented control MLD (Maximum Light Detection) with MLD sensor, wind guard, foundation plan, assembly instructions.

## OPTIONAL SERVICES

Extended warranty, on-site service, trainings.