

## DEGERtracker S60H



### DEGERtracker S60H - Single-axis tracking system

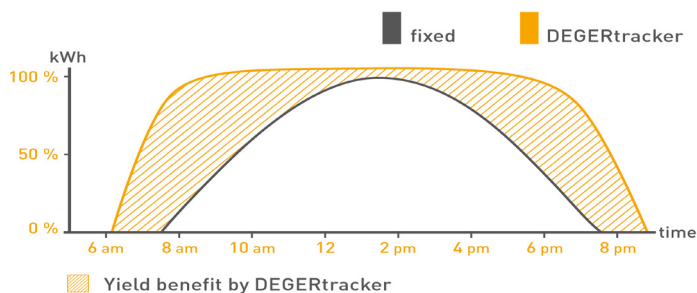


Single-axis, active tracking systems from DEGER enable the optimal utilization of all the irradiation energy, suitable for all widely-sold solar modules. You can achieve yield increases of approx. 25 per cent for all photovoltaic applications. An easy plug-and-play

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.

#### ADVANTAGES THAT PAY FOR THEMSELVES

Rating chart using a sunny summer day as an example



#### ADVANTAGES

- Fast and simple installation and easy handling
- Robust durable technology
- Automatic reset in initial position at night
- Automatic reset in initial position with the MLD-technology
- Up to 100 trackers (ca. 4.200 m<sup>2</sup> modul surface) to be managed by one central control box (CCB)
- Wind speed control with anemometer, at storm condition DEGERtracker is placed automatically in security position
- Yield increase with snow sensor
- Yield increase with the MLD-Technology

#### TECHNOLOGY

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

# TECHNICAL SPECIFICATIONS



DEGERtracker S60H with steel foundation <sup>1)</sup>



DEGERtracker S60H with concrete foundation <sup>1)</sup>  
(not included in delivery)



DEGERtracker S60H with Driven Pile Foundation

## BASIC DATA

Nominal output (depending on module type)	6,500...8,300 Wp DC		
Tracking Type	1-achsig		
Module surface up to	41,6 m <sup>2</sup>		
Max. module surface (WxH)	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,CSA		

## STRUCTURE

Material Data	hot-dip galvanized steel, aluminium, synthetics		
Galvanization	EN ISO 1461 or comparable		
Bond - Type	bolted connection, no welt at sight		
Wind tunnel tested	yes		
Certified statics	yes		
Weight (without aluminium)	490 kg	420 kg	project specific
Max. East-West slope	10°		
Max. North-South slope	1,5°		
Soilpressure	150 kN/m <sup>2</sup>	140 kN/m <sup>2</sup>	project specific
Friction angle to earth	$\varphi = 30^\circ$		
Earth self weight	18 kN/m <sup>3</sup>	20 kN/m <sup>3</sup>	project specific
Subsoil requirements	excavation (no concrete necessary)	all subsoils	project specific

## DRIVE DATA

Basic drive arrangement	maintenance free spindle drive		
Rotating angle East-West	+/-45°		
Drive East-West	750 mm travel		
Rotating speed	20° / min		
Noise Level	<70 dB(A)		

1) not available in all countries



DEGERtracker S60H with steel foundation <sup>1)</sup>



DEGERtracker S60H with concrete foundation <sup>1)</sup>  
(not included in delivery)



DEGERtracker S60H with Driven Pile Foundation

#### ELECTRONICS/CONTROL

Operating voltage	100...240 V AC / 50 ... 60 Hz
Rated Input Current	2,3 A
Power Consumption (approx)	
Control mode	1 W
with running actuator	50 - 240 W
Internal consumption per year	15 kWh
Power output	
Output voltage	24 V DC
Output current (max.)	10 A
Tracking control	MLD
Protection class	IP 54
Permissible ambient temperature	-20°C bis +50°C

#### CLIMATIC CONDITIONS

Installation over sea level	max. 2000 m
Humidity Range	5 - 95 %
Max. permitted wind speed	167 km/h <sup>2)</sup>

1) not available in all countries  
2) Laid out with planning tool

#### SCOPE OF DELIVERY

Complete single-axis tracking systems, 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, service