

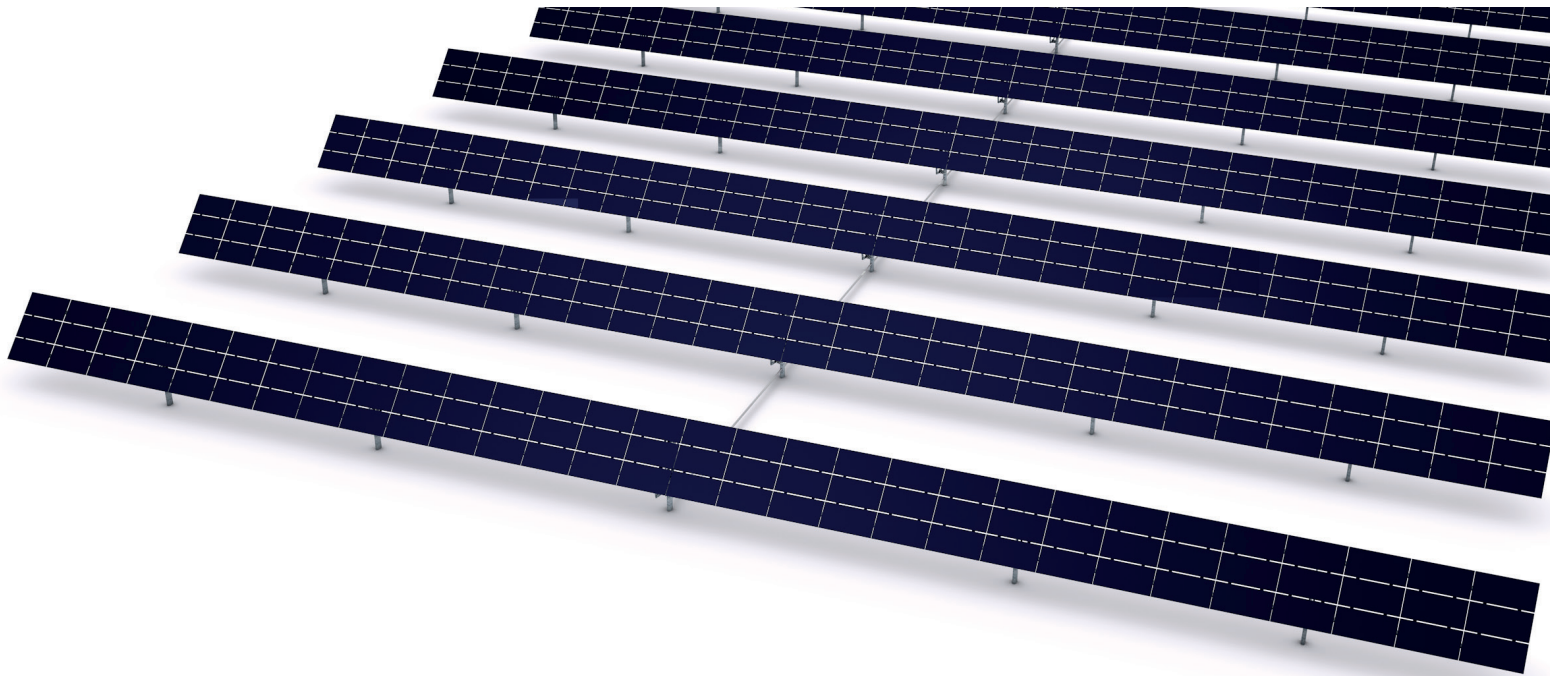


exotrack[®]HZ

SINGLE-AXIS TRACKER FOR FIRST SOLAR SERIES 4 MODULES

Less Maintenance, More Power

At Exosun, our solar trackers are the result of perfectionist engineering and years of hands-on experience. Flawless in their simplicity, robustness, and flexibility, our trackers are the smartest solution on the market for smooth and fast project deployment, high solar performance and profits.



Highest flexibility for flowing topography

- ▶ Follows hilly landscapes without land grading.
- ▶ 10% slope tolerances in all directions & between tables.
- ▶ Short tables for perfect layout flexibility.

Unrivalled simplicity for smooth and fast installation

- ▶ Highest raming and installation tolerances.
- ▶ Mechanical installation less than 250 man-hours/MW (without FS module assembly and installation).
- ▶ Fast deployment and increased safety: no specific machine needed thanks to lightweight parts.

Market leading reliability: Avoid unexpected OPEX

- ▶ Balanced design, structural stiffness, and high quality materials.
- ▶ Complete lubrication-free solution, no on-site yearly greasing.
- ▶ Limited maintenance with few electromechanical parts.

1000 & 1500 V (3x30)

GENERAL CHARACTERISTICS	
Tracked area	Up to 1296 m ² (13 950 ft ²)
Motors per MWp*	4.7
Power per tracker (117.5 Wp modules)	Up to 211.5 kWp
Rows per tracker*	Up to 20
Strings per row	9 strings of 10 modules in 1000V 6 strings of 15 modules in 1500V
Daily tracking	± 50°
Piles per MW*	472
Foundation installation tolerances	xy : ± 4 cm (1.6 in), tilt ± 2°, twist ± 8°, z : ± 4 cm (1.6 in)
Module configuration	3 in landscape (3*30)
Module fixation	First Solar FastMount™ System
Slope acceptance	Up to 10% between tables. Undulating slopes accepted
Ground coverage ratio*	From 30 to 50%

MATERIALS AND DIMENSIONS	
Structure	Maintenance-free movement transmission HDG / Galvanized steel / Stainless steel / Composite / Aluminum
DC string management	Cable trays or raceways or FS trunk bus

ELECTROMECHANICAL CHARACTERISTICS AND AUTOMATIC DEVICE	
Drive type	Brushless gear motor, 3 phases, 400 VAC (CE) or 460 VAC (UL)
Power consumption*	± 500 kWh/MWp/year (including stand-by mode)
Control system architecture	Exobox centralized piloting system. Individualized tracking program Up to 1 per 10 MW

REMOTE CONTROL AND SCADA INTERFACE	
Remote control	Via ExoPortal -web application-
Monitoring and data access	Via OPC server or Modbus TCP

WIND RESISTANCE* Eurocodes (ASCE 7-10)	
	Indicative value, can vary depending on tracker configuration
In any position	Up to 100 km/h (62 mph)
In stow position	Up to 180 km/h (105 mph)

WARRANTIES	
Warranties	5 years on product - 10 years on structure Optional warranties available - 20 years extensions

* Project specific
Other configurations according to site specificities

First Solar
Series 4
1000 and
1500V
3x30

