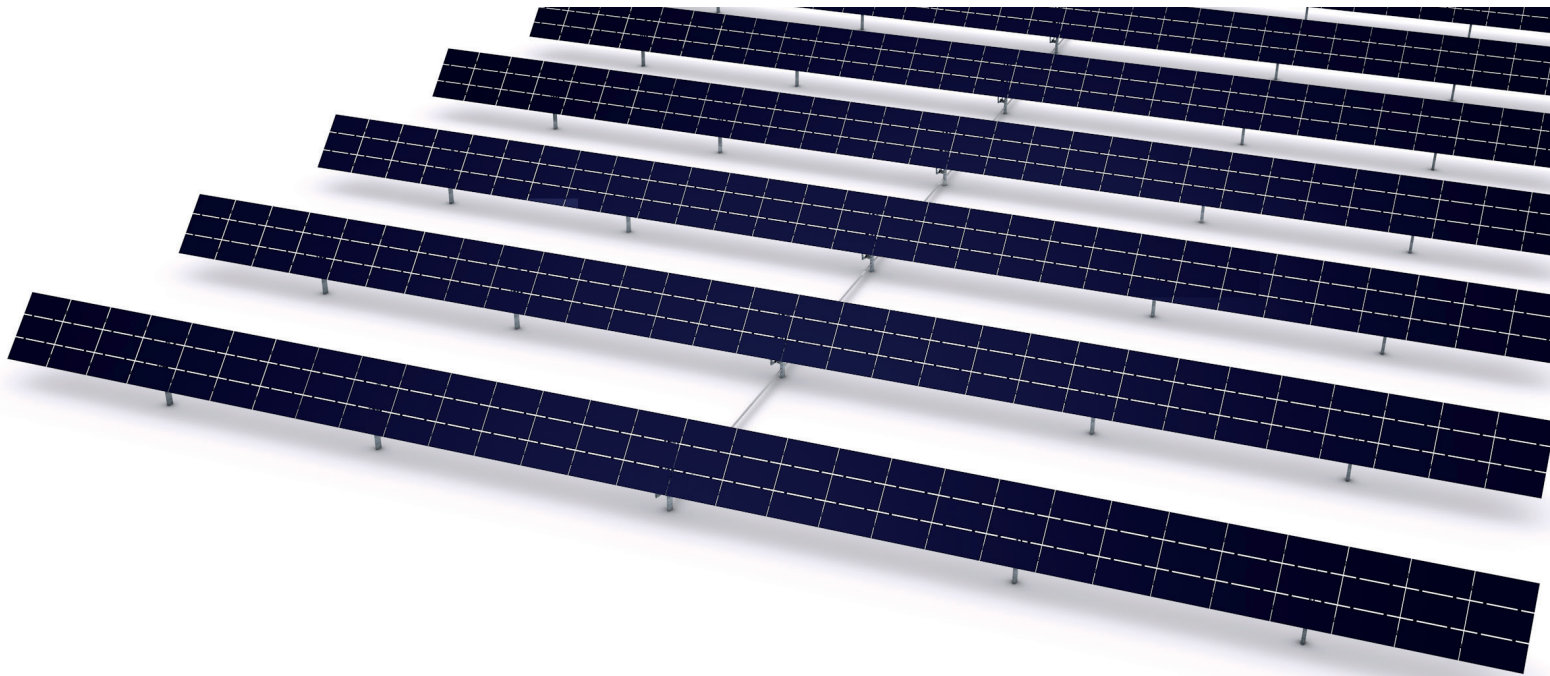




## Less Maintenance, More Power

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 <sup>2</sup> (13 950 ft <sup>2</sup> )
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

