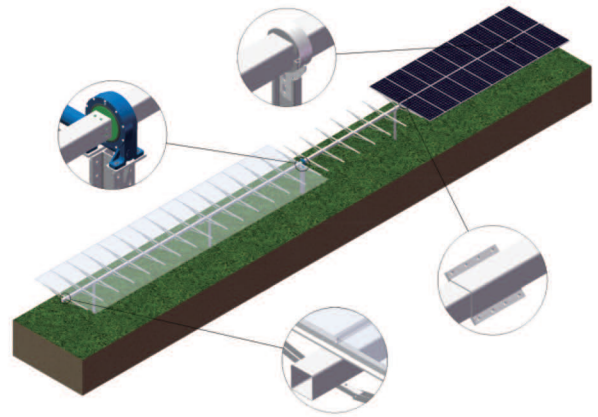


Horizon D Series Solar Tracking Systems

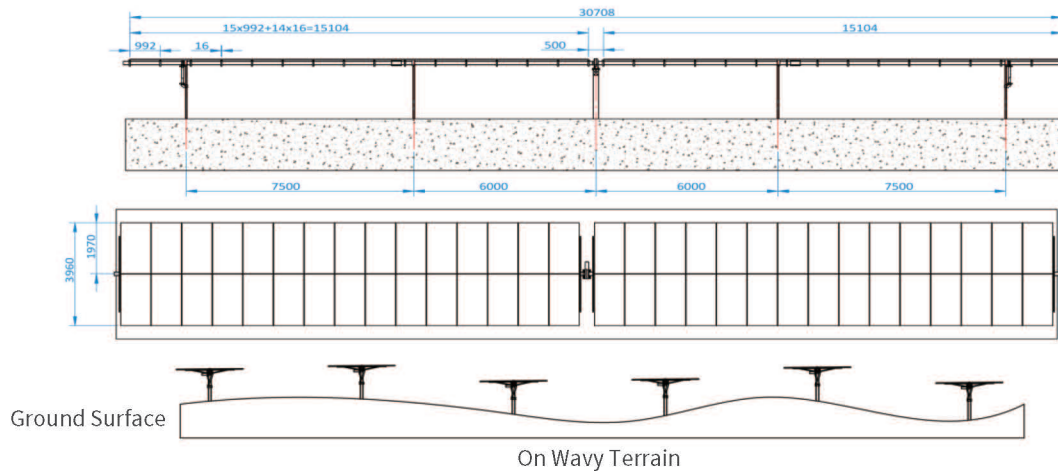
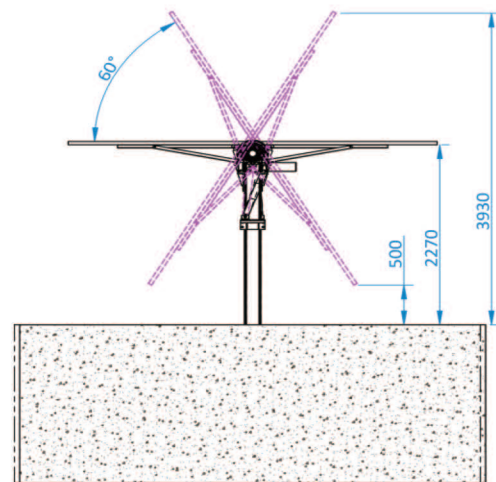
Tracker Structure

Tracking Technology	Horizontal Single Axis Tracker
System Voltage	1000V / 1500V
Tracking Range	$\pm 45^\circ / \pm 60^\circ$
Working Wind Speed	18 m/s (Customizable)
Max. Wind Speed	35 m/s (ASCE 7-10)
Modules per Tracker	≤ 60 Modules (Customizable)
Principal Materials	Hot-Dip Galvanized Q235B/Q355B Zn-Al-Mg Coated Steel
Mean Coating Thickness	$\geq 65\mu\text{m}$
Drive System	Slewing Drive
Foundation type	PHC / Cast-in-Place Pile / Steel Pile



Control System

Control System	MCU
Tracking Mode	Closed Loop Time Control + GPS
Tracking Accuracy	$< 2^\circ$
Communication	Wireless (ZigBee, LoRa); Wired (RS485)
Powder Acquisition	External Supply / String Supply / Self-Powered
Auto Stow at Night	Yes
Auto Stow During High Winds	Yes
Optimized Backtracking	Yes
Protection Degree	IP65
Working Temperature	$-30^\circ\text{C} \sim 65^\circ\text{C}$
Anemometer	Yes
Power Consumption	0.3kWh per day



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