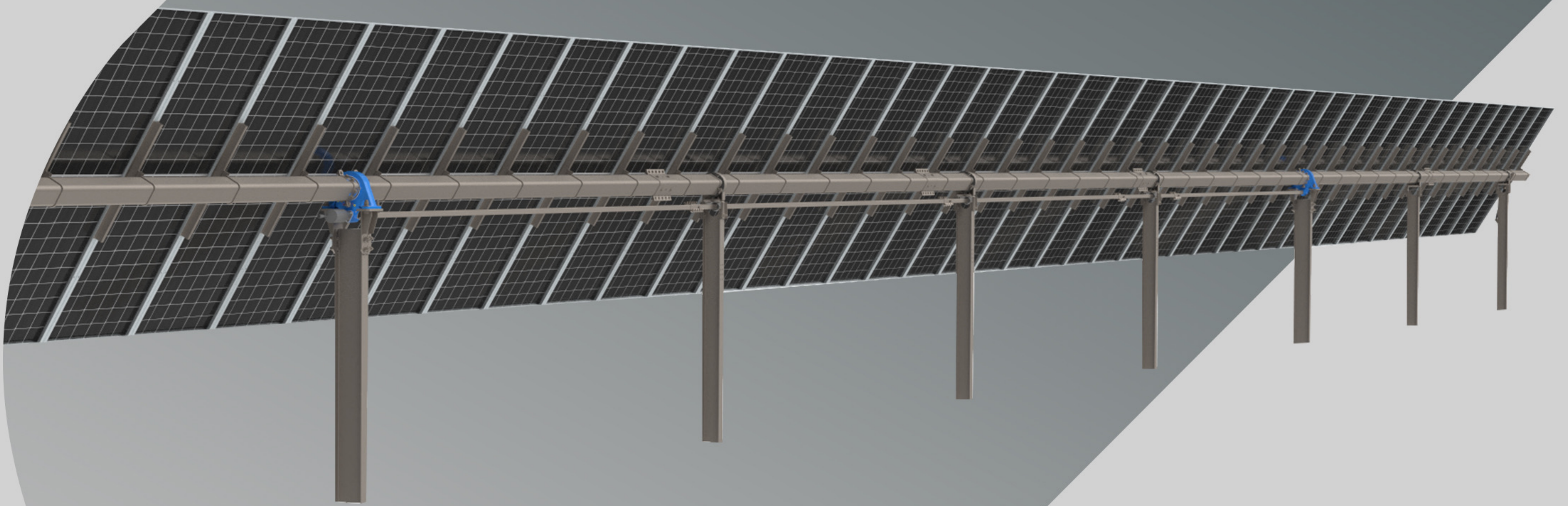


Zenith-MAX

## Single-Row Multi-Point Driven



### MULTI-DIMENSIONAL

Features a multi-dimensional modular design with flexible structural adjustment, enabling excellent compatibility with undulating mountainous terrain, irregular land parcels, and differential settlement conditions. Improves suitability for complex sites while reducing the need for site grading and simplifying foundation construction.

### HIGH YIELD

Powered by an intelligent tracking algorithm that combines astronomical tracking with terrain-adaptive backtracking to reduce inter-row shading losses. Further improves power generation performance in complex terrain and helps maximize the plant's lifecycle returns.

### ROBUST STRUCTURE

Coordinated multi-point drive mechanics enhance overall torsional rigidity and wind stability. Under challenging conditions such as strong winds, the system effectively suppresses wind-induced vibration, reduces the risk of instability, and improves safety and reliability.

### EASY-INSTALLATION

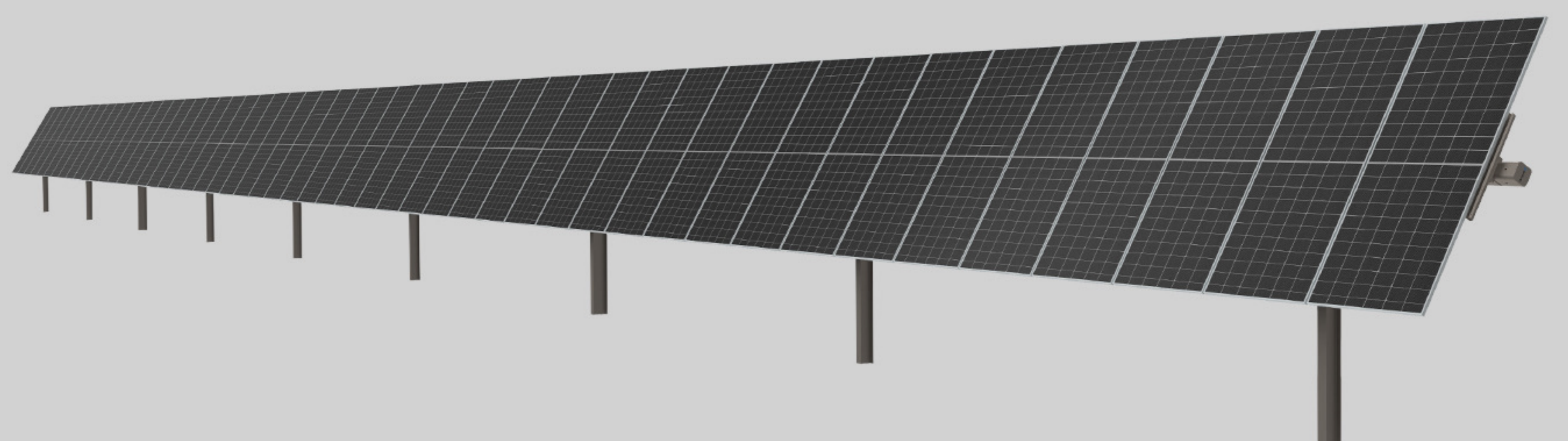
Standardized modular design with optimized critical connection points enables efficient installation and rapid assembly. Shortens construction time, reduces installation complexity, and improves project delivery efficiency.

## ● Structural Parameters

System Type	Single-row Single-axis Tracking System
Tracking Angle	±60°
Drive Mechanism	Rotary drive, multi-point parallel drive
Number of Single-Row Modules	Up to 120 modules
Module Type	Compatible with all modules
Terrain Adaptability	N-S slope 20% Max. , E-W unrestricted
Pile Foundation Type	Ramming pile/Concrete pile/PHC
Structural Material	HDG/ZAM
System Voltage	300VDC ~ 1500VDC
Operating Ambient Temperature	-30°C ~ +60°C
Wind Resistance Design	Up to 60m/s

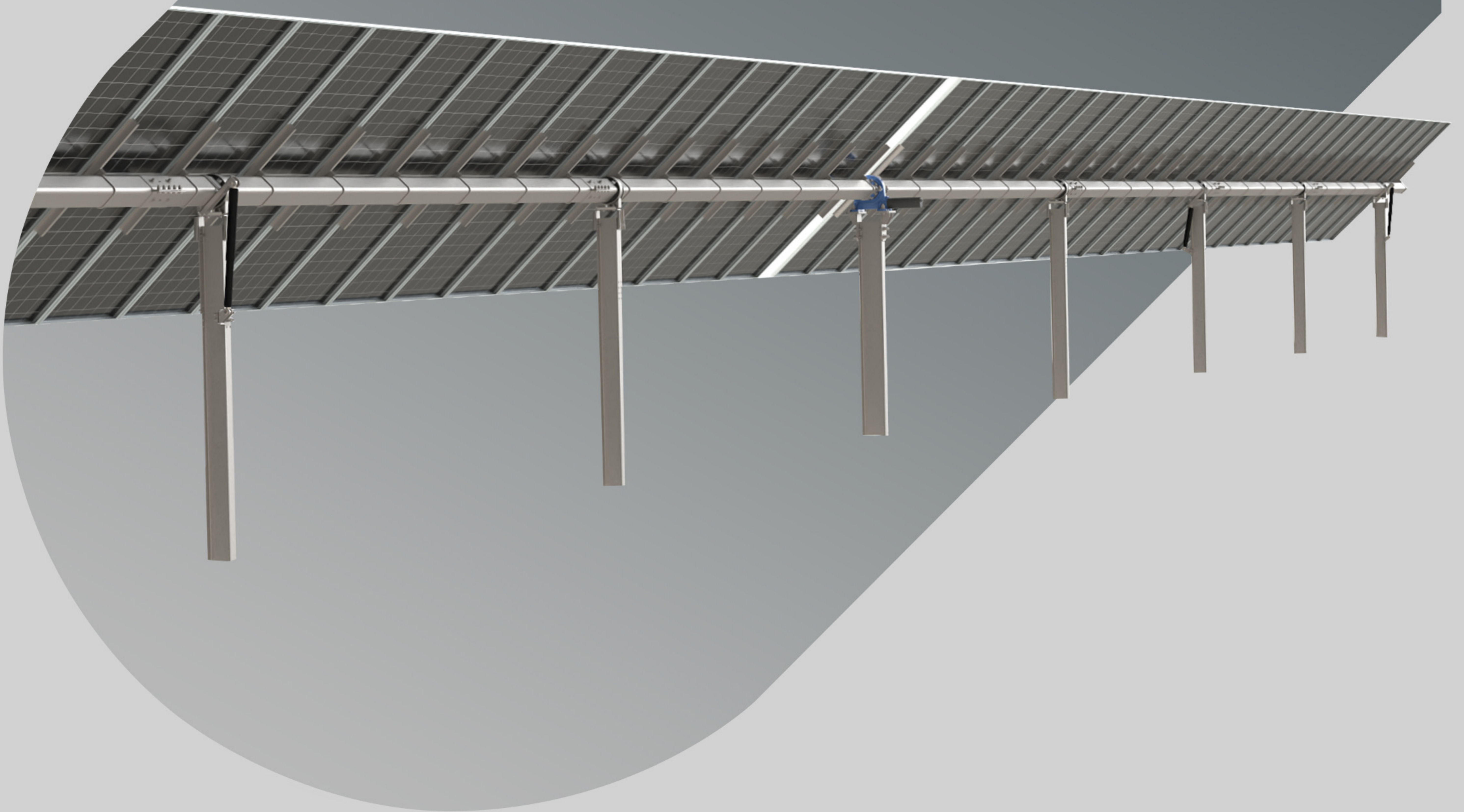
## ● Control Parameters

Tracking Method	Astronomical Algorithm + Closed-Loop Control
Tracking Accuracy	≤2°
Communication Method	Zigbee Wireless / RS485 Wired
Power Supply Method	String Power Extraction / AC Power Supply
Daily System Power Consumption	Approx. 0.05kWh/day
Protection Rating	IP65
Anti-Shadow Tracking	Yes
Night Return Mode	Yes
High Wind Protection Mode	Flat Protection
Heavy Snow Mode	Optional
Flood Mode	Optional



Zenith-NEO

# Single-Row Single-Point Driven



## TERRAIN FOLLOWING

Adapts to up to 20% north-south slope, reducing site grading and civil works costs. Ideal for mountains, hills, agrivoltaics, and irregular terrain, enabling more flexible plant layout.

## EASY-INSTALLATION

Standardized modular design with optimized critical connection points enables efficient installation and rapid assembly. Shortens construction time, reduces installation difficulty, and improves project delivery efficiency.

## SOLID RELIABLE

Enhanced wind resistance and overall stability through aerodynamic and structural optimization, combined with high-strength materials. Delivers steady performance under complex environments and various operating conditions, ensuring station reliability.

## HIGH-COMPATIBILITY

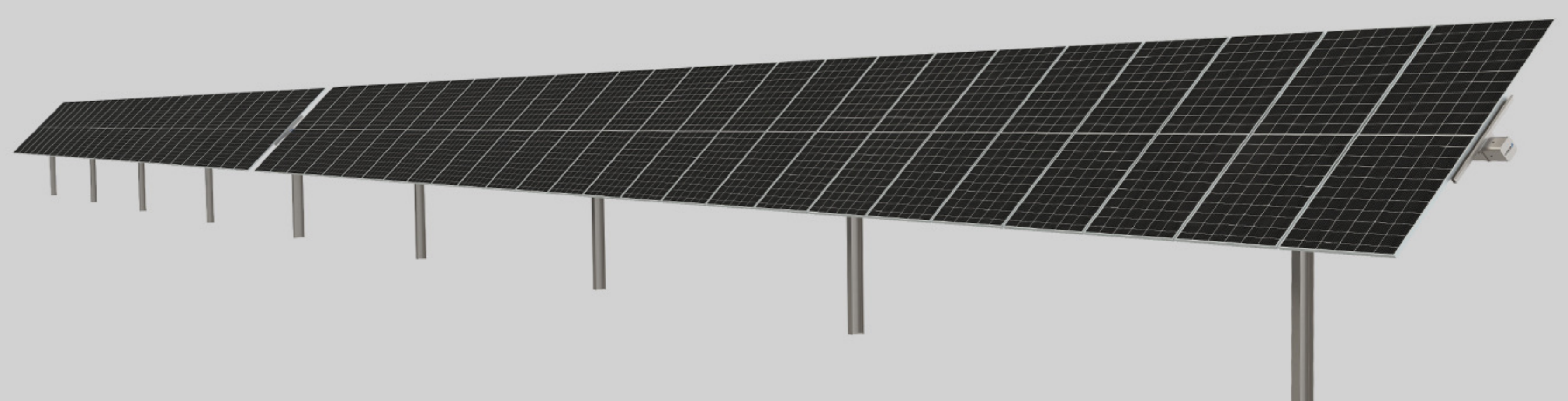
Compatible with mainstream 182 mm / 210 mm large-format, high-power PV modules, and adaptable to multiple foundation types. Meets application needs across different terrains, geological conditions, and project requirements, offering more flexible system configuration.

## ● Structural Parameters

System Type	Single-row Single-axis Tracking System
Tracking Angle	±60°
Drive Mechanism	Rotary drive
Number of Single-Row Modules	Up to 90 modules
Module Type	Compatible with all modules
Terrain Adaptability	N-S slope 20% Max. , E-W unrestricted
Pile Foundation Type	Ramming pile/Concrete pile/PHC
Structural Material	HDG/ZAM/Pre-HDG
System Voltage	300VDC ~ 1500VDC
Operating Ambient Temperature	-30°C ~ +60°C
Wind Resistance Design	Up to 60m/s

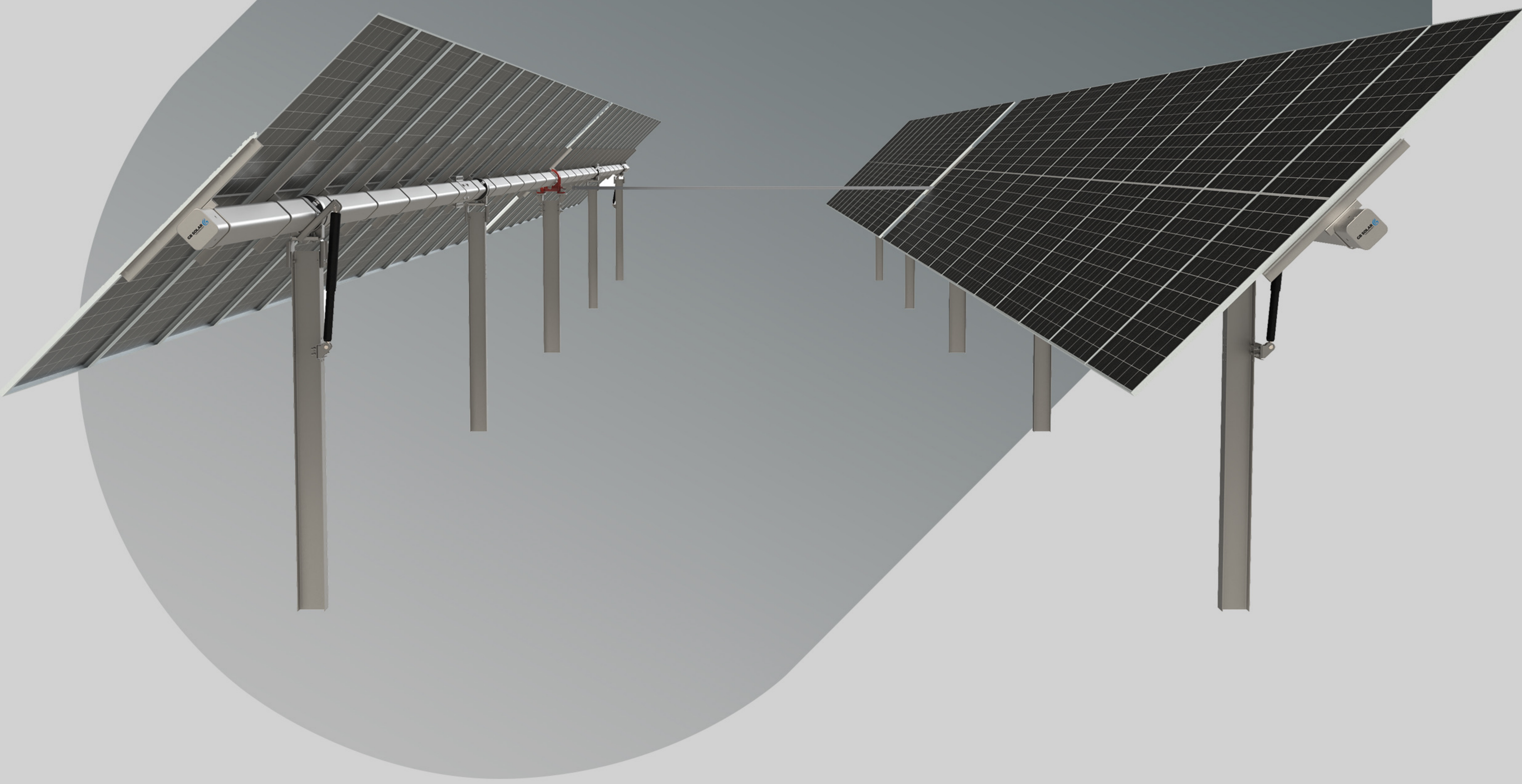
## ● Control Parameters

Tracking Method	Astronomical Algorithm + Closed-Loop Control
Tracking Accuracy	≤2°
Communication Method	Zigbee Wireless / RS485 Wired
Power Supply Method	String Power Extraction / AC Power Supply
Daily System Power Consumption	Approx. 0.05kWh/day
Protection Rating	IP65
Anti-Shadow Tracking	Yes
Night Return Mode	Yes
High Wind Protection Mode	Safety angle adjustable
Heavy Snow Mode	Optional
Flood Mode	Optional



Zenith-SYN

## Dual-Row Intelligent Linked



### SYNCHRONICITY

A dual-row shared-drive structure combined with a drive-shaft mechanical linkage enables synchronized and coordinated tracking of two rows. This improves transmission consistency and operational smoothness, and helps reduce overall BOS costs.

### ADAPTABILITY

A cardan joint transmission structure flexibly accommodates terrain undulations in both north-south and east-west directions, supporting installation on slopes up to 15%. Improves installation adaptability and site compatibility to meet project needs in complex terrain.

### DEPENDABILITY

Mechanical transmission with a self-locking design enhances overall rigidity and torsional resistance. Maintains structural stability under challenging conditions such as strong winds, ensuring system safety and long-term reliability.

### SMART O&M

Mobile app-based intelligent commissioning and convenient management enable faster parameter setup, clearer status monitoring, and more efficient on-site maintenance. Improves commissioning efficiency and O&M response speed, optimizing the overall O&M experience.

## ● Structural Parameters

System Type	Double-row linked single-axis tracking system
Tracking Angle	±60°
Drive Mechanism	Rotary Drive
Number of Single-Row Modules	Up to 90 modules
Module Type	Compatible with all modules
Terrain Adaptability	N-S slope 20% Max. , E-W unrestricted
Pile Foundation Type	Ramming pile/Concrete pile/PHC
Structural Material	HDG/ZAM/Pre-galvanized
System Voltage	300VDC ~ 1500VDC
Operating Ambient Temperature	-30°C ~ +60°C
Wind Resistance Design	Up to 60m/s

## ● Control Parameters

Tracking Method	Astronomical Algorithm + Closed-Loop Control
Tracking Accuracy	≤2°
Communication Method	Zigbee Wireless / RS485 Wired
Power Supply Method	String Power Extraction / AC Power Supply
Daily System Power Consumption	Approx 0.05kWh/Day
Protection Rating	IP65
Anti-Shadow Tracking	Yes
Night Return Mode	Yes
High Wind Protection Mode	Protection angle is adjustable.
Heavy Snow Mode	Optional
Flood Mode	Optional

