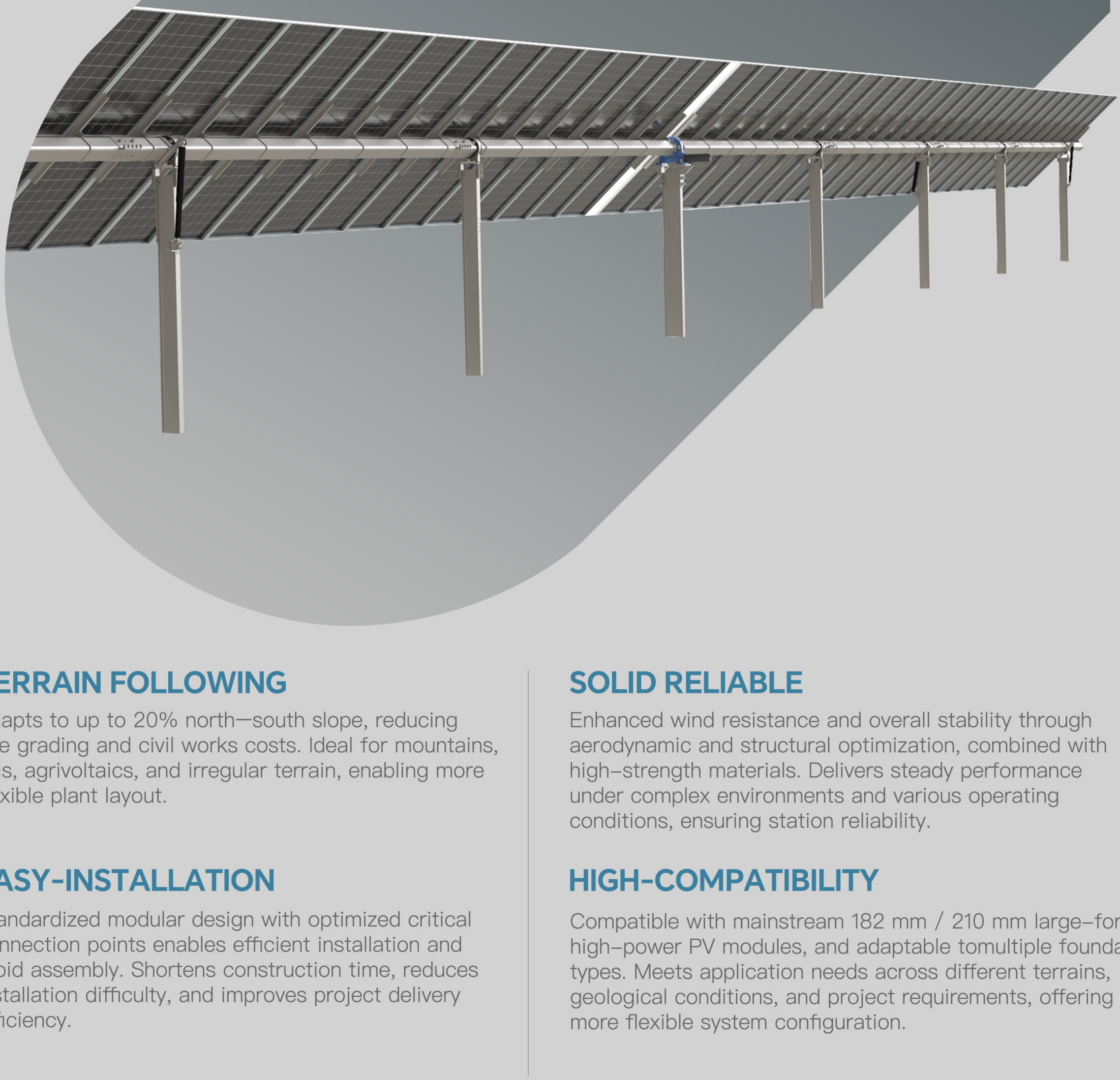
Zenith–NEO

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.

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.

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.

HIGH-COMPATIBILITY

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

GB SOLAR TECHNOLOGY

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℃ ~ +60℃
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