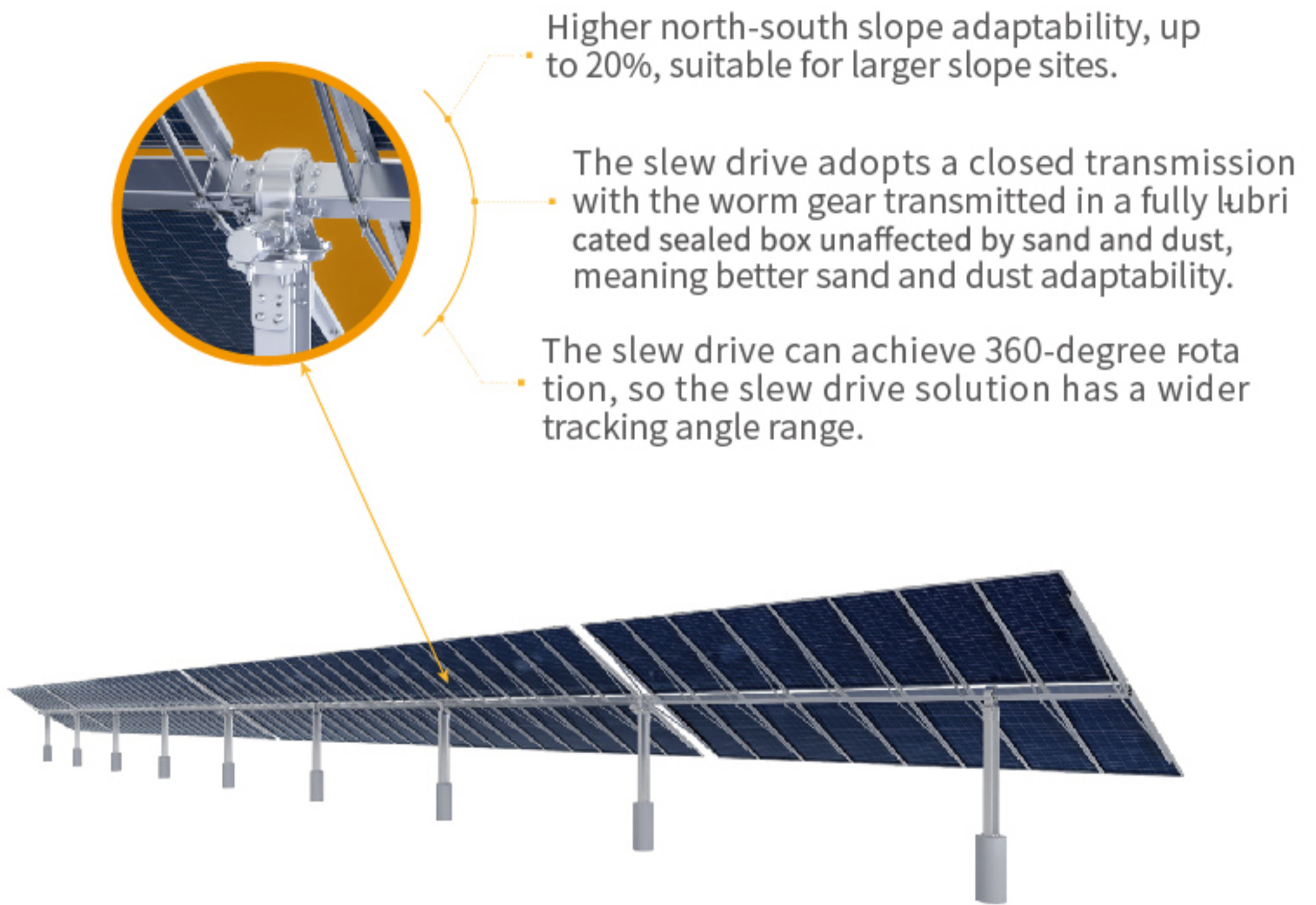




# Cosin Solar PJ Tracking System

## Single Row / Slew Drive Multi-Point Drive



Higher north-south slope adaptability, up to 20%, suitable for larger slope sites.

The slew drive adopts a closed transmission with the worm gear transmitted in a fully lubricated sealed box unaffected by sand and dust, meaning better sand and dust adaptability.

The slew drive can achieve 360-degree rotation, so the slew drive solution has a wider tracking angle range.

### Technical Parameters



#### Basic Parameters

System Type	Single row horizontal single-axis
Component Type	Compatible with all monofacial and bifacial PV modules
Tracking Angle Range	$\pm 60^\circ$
Drive Form	Slew drive multi-point parallel drive, electrical synchronization, 24V stepping servo motor
Pile Foundation	Hammered piles/cast-in-place piles/cement foundation
Structural Materials	Zinc-Aluminum-Magnesium coated steel/hot-dip galvanized steel/pre-galvanized steel
Power Supply	Transformer power supply/from PV string (with battery)

#### Electric Control Parameters

Control System	MPU controller
Controlling Software	Centralized control software/open communication interface
Control Algorithm	Astronomical algorithm + position sensor closed-loop control + intelligent tracking algorithm*
Tracking Accuracy	$\leq 1^\circ$
Communication Method	Wired mode RS485/wireless mode Zigbee

#### Environmental Adaptability

Wind Resistance Design	According to specific requirements
Slope Range	North-south slope $\leq 20\%$
Protection Level	IP66
Working Temperature	$-40^\circ\text{C}$ to $70^\circ\text{C}$

#### Safety Protection

Strong Wind and Snow Protection	Available
Night Mode	Available
Motor Overload Protection	Available

\*Backtracking algorithm with terrain adaptation + radiation optimization tracking strategy.