

## SkyWings

### Horizontal Single-Axis Tracker Dual Linked-row, Multipoint Parallel Drive

#### FEATURES



Highest stability at all tilts



Horizontal stow position



Higher stow wind speed



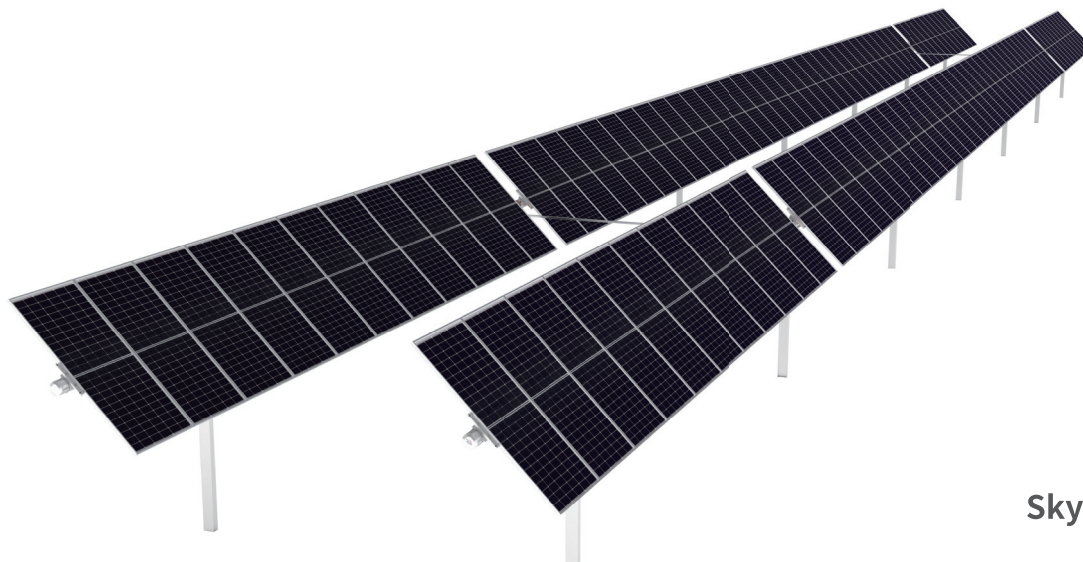
Patented bidirectional  
slew drive design



Synchronous multi-point drive



Optimized cost



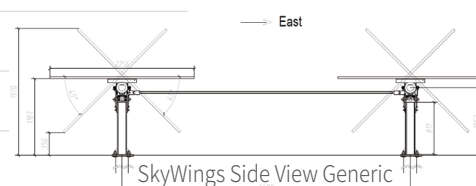
**SkyWings**

## SKYWINGS TRACKER SPECIFICATIONS

Tracking Type	Linked row horizontal single-axis tracker
Tracking Range	$\pm 60^\circ$
Drive Type	Synchronous multi-slew drive system with mechanical transmission
Modules per Tracker	Up to 168 modules
System Voltage	1,000 V or 1,500 V
Foundation Options	Ramming piles/Cast-in-place concrete piles/Concrete piles or ballasts
Structure Material	Hot dipped galvanized/Pre-galvanized steel/Zn-Al-Mg coated steel
Power Supply	Powered by PV strings, back-up Li-ion battery
Daily Energy Consumption	0.04kWh/day
Standard Design Wind Speed	Completely stable against wind induced torsional instabilities up to 70m/s
Modules Supported	All commercially available modules
Operation Temperature Range	-20°C to 60°C (-30°C~60°C is optional)

## ELECTRONIC COTROLLER SPECIFICATIONS

Control Algorithm	Astronomical algorithms + Tilt sensor closed-loop control
Tracking Accuracy	$\leq 2^\circ$
Backtracking	Support terrain adaptive intelligent algorithm
Communication Options	LoRa wireless/RS 485 cable
Other Special Modes	Night position, snow and hail protection
Controller's Power Supply	String powered as default, AC and small panel under request
Flood Mode	Tracker flat (optional)
Snow Mode	Tracker at max tilt (optional)
Wind Stow Mode	Tracker flat



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