SkySmart II

Independent Row 2P Tracker
Single Row, Double Performance, Triple Safety

FEATURES

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Synchronous multi-point drive	Advanced slewing drive system	Best for bifacial modules	Artificial-intelligence algorithm
Strong adaptability of terrain up to 20% N-S slope	Optimized cost	LoRa-wireless communication Long range, low power	9 posts per system with 4×1,500V-strings of solar modules

570MW I Hebei, China
SkySmart II Tracking System

SKYSMART II TRACKER SPECIFICATIONS

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Drive Type	Slewing drive, synchronous multi-point design
Tracker N-S Length Limitation	≤95m
System Voltage	1,000 V or 1,500 V
Ground Coverage Ratio	Typical ≥32%
Foundation Options	Ramming/Cast-in-place concrete/Concrete Piles
Terrain Adaption	Up to 20% N-S Slope
Structure Material	Hot dipped galvanized steel/Pre-galvanized steel/Zn-Al-Mg coated steel
Power Supply	Powered by PV strings, back-up Li-ion battery
Power Consumption	Typical 0.04kWh/day
Standard Design Wind Speed	156mph (70m/s) per ASCE7-10, higher wind load available
Module Supported	All commercially available modules
Operation Temperature Range	-20°C to 60°C (-30°C to 60°C Optional)

ELECTRONIC CONTROLLER SPECIFICATIONS

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor closed-loop control+ AI algorithms
Tracking Accuracy	≤ 2°
Controller's Power Supply	String powered as default, AC and small panel under request
Backtracking	Support terrain adaptive intelligent algorithm
Communication Options	LoRa wireless/RS 485 cable
Night Position	Yes
Flood Mode	Tracker flat (Optional)
Snow Mode	Tracker at max tilt (optional)
Wind Stow Mode	Tracker flat
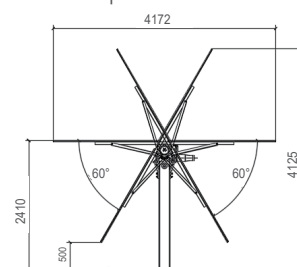
SkySmart II Side View

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