

INDEPENDENT ROW TRACKING SYSTEM

SkySmart

Independent Row 2P Tracker

Less Civil, Flexible, Undulated Terrain



SkySmart Product Features



Apply to bifacial modules
mono-facial modules



Only 200 foundations/MW



LoRa-wireless communication
Long range, low power



Industrial record
20% N-S slope



String-powered system with back-up
Li-ion battery



Risk-free drive-through
module cleaning

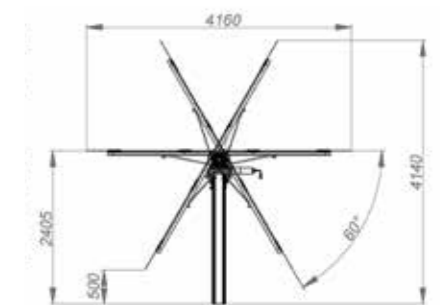


SKYSMART TRACKER SPECIFICATIONS

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Driving System	Slew drive, 28VDC motor
Modules per Tracker	Up to 90 modules per tracker
System Voltage	1,000 V or 1,500 V
Ground Coverage Ratio	Typical ≥35%
Foundation Options	Ramming/Pre-drilling/Concrete Piles
Terrain Adaption	Up to 20% N-S Slope
Structure Material	Hot dipped galvanized/Pre-galvanized steel
Power Supply	Powered by PV strings,back-up Li-ion battery
Power Consumption	Typical 0.02kWh/day
Standard Design Wind Speed	105mph(47m/s) per ASCE7-10, higher wind load available
Module Supported	All commercially available modules
Operation Temperature	-20℃ - 60℃ (-30℃ - 60℃ Optional)

ELECTRONIC CONTROLLER SPECIFICATIONS

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor close loop
Tracking Accuracy	≤ 2°
String-Powered	Yes
Backtracking	Yes
Communication Options	LoRa wireless /RS 485 cable
Night Position	Yes



SkySmart Side View