

## SkySmart II

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

### FEATURES



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 consumption



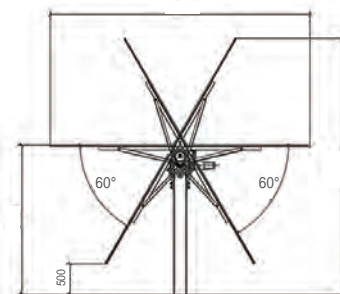
9 posts per system  
with 4 × 1,500V-strings  
of solar modules

## SKYSMART II TRACKER SPECIFICATIONS

▶ Tracker Type	>> Independent horizontal single-axis tracker
▶ Tracking Range	>> $\pm 60^\circ$
▶ Driving System	>> Slew drive/Synchromous multi-point design
▶ Tracker N-S Length Limitation	>> $\leq 95\text{m}$
▶ System Voltage	>> 300 VDC-1500 VDC
▶ Ground Coverage Ratio	>> Typical $\geq 32\%$
▶ Foundation Options	>> Ramming/Pre-drilling/Concrete Piles
▶ Terrain Adaption	>> Up to 20% N-S Slope
▶ Structure Material	>> Hot dipped galvanized/Pre-galvanized/Mg-Al-Zn 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	>> $-30^\circ\text{C}$ to $60^\circ\text{C}$

## TRACKER CONTROLLER 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	>> Snow and hail protection
▶ Controller's Power Supply	>> String powered as default, AC and self-powered
▶ Flood Mode	>> Tracker flat (optional)
▶ Snow Mode	>> Tracker at max tilt (optional)
▶ Wind Stow Mode	>> Low tilt stow angle



SkySmart II Side View

