

SUNTRACKX

5

Year Drive & Control Box Warranty

10

Yearly Energy Usage (kWh/kW)

750

Max Single Tracker Size (kW)

Features

- ✓ Tracking Range +/- 45° (Adjustable to +/- 52°)
- ✓ Scalable: Unlimited 10-row trackers per site
- ✓ Easy-Set Track with Monitor Display Controls
- ✓ Ground Screw and Terrain Follow Options



Solar Tracking Technologies



SPECIFICATIONS. The Solar Tracking Technologies, SunTrackX, is a ten-row controlled, astronomical, single axis tracking system, controlled by a central processing module. The system can be scalable to install multiple ten-row modules, for larger array systems. The SunTrackX specifications are as follows:

SunTrackX - Specifications		
System Type	48 - Volt Module	60 - Volt Module
Tracking Type	Horizontal single-axis	
Row DC Capacity	25 - 35 kWp, lengths up to 54 panels 50 - 75 kWp, lengths up to 108 panels	
Configurations	1 module in portrait	
Rotation Range	90°, +/- 45° (adjustable to 104°, +/- 52°)	
Drive System	One slew drive per row, 48 - volt motor One slew drive per row, 60 - volt motor	
Tracker Materials	Galvanized steel / Aluminum	
Maximum System Voltage	1,500 V	
Foundations	Wide Flange Beam or A - Frame	
Torsion Control	Hydraulic dampers installed in and at row ends	
Maximum Wind Speed	140 - mph, 3-second gust expose C	
Module Bonding	Tooth washer bonding	
Ground Coverage Ratio	Unlimited. (40% recommended)	
Terrain Follow	Up to 20° slope change (U-Joint)	

WARRANTY, INSTALLATION, and TRACKING. The SunTrackX allows for standard installation methods and includes an integrated control panel LED display to initiate each ten-row tracker set all-at-once. The installation, tracking and warranty specifications are as follows:

SunTrackX - Warranty, Installation and Tracking	
Solar Tracking Method	Astronomical, location based algorithm
Backtracking	Yes (Half and Full Cell)
Tracker Control	Central ten row control box, 1 DC stepper motor and slew drive per tracker
Tracker Integration	Wired to central control box
Pile Installation	Pile driver or screw driven, pre-drilling as necessary
Module Attachment	Bolt mounted via hat channel
Commissioning	Conducted via integrated LED screen in control box
Maintenance	No periodic lubrication required
Warranty	5-year on drive and control module; 10-year on structural components