



THE NEXT-GENERATION OF SINGLE-AXIS TRACKERS

Providing Industry-Leading Ease of Installation, Performance, and Reliability



SUPERIOR DESIGN FLEXIBILITY

Maximum MW/acre with minimal grading

Easily optimize your system with a ground cover ratio (GCR) from 20 to 60 percent, 10 degree N/S slope tolerance, and maximized megawatt per acre capacity.



LOWEST INSTALLED COST

Fastest in industry installation

Voyager has the fastest module installation process in the world and uses up to 47% fewer posts than 1P designs and up to 20% less than other 2P systems, resulting in lower costs and fewer manhours.



DESIGNED FOR RELIABILITY

Minimal maintenance requirements over service life

Our self-powered drive system requires no auxiliary power or communications systems, while providing data, communication, and power redundancy. Over-The-Air software updates enable seamless upgrades.



YIELD ENHANCEMENT SOFTWARE

Optimal energy yield for any project

SunPath software provides individual row backtracking, multi-row shade optimization, and diffused light tracking that can add up to 6.2 % in total energy output.



YOYAGER+ DESIGN SPECIFICATIONS

Wind Speed Configurations	v105mph, v120mph
Module Architecture	Up to 120mph as per ASCE7
Modules Supported	All framed Mono, Poly, Bifacial, ULFM, FSLR6, FSLR6+
Module Attachment	4 A-Raymond PowARcinch clips per module, 1500V Systems
String Architecture	1500V systems; 4 strings per row, up to 30 modules per string, 6 strings per row up to 20 modules
Power	Two Power Modules; Onboard Lithium-ion Battery; DC self powered drive system with up to 3-day battery backup
Drive Type	v105: 70kN Slew Drive v120/v135: 100 kN Slew Drive per row
Posts per Row (typical)	7 posts per row (1 drive, 6 typical)
Post Size	W8 (internal & external)
Post Type	Driven (primary), Screw, Concrete
Post Embed Depth (typical)	6'-10' (1.82m – 3.05m)
Operating Range of Motion	Up to 60° East – West
Stow Angle	0°
Stow Conditions	Wind Stow (0°), Optional Snow Stow (50°), Optional Flood Stow (0°), Optional Hail Stow (50° back to wind)
Backtracking	Individual Row Level (standard), Terrain-Based Backtracking (included with SunPath)
Diffuse Light Capture	Available with optional SunPath
Ground Clearance	300mm (minimum)
Ground Coverage	20-60% GCR supported
Slope Tolerances	10° (17.5%) – North-South Unlimited – East-West
Snow Load	0psf - 60psf
Operating Temperature	0°C to +60°C (Std), -20°C to +60°C (Opt), -40°C to +60°C (Opt w/AC Power)
Sensor Package	Wind (Std), Snow and Flood Optional
Communication Architecture	One Zone Controller for up to 99 rows (~6.0 MW) Wireless Zigbee Mesh Network Connects to SCADA/DAS through Modbus TCP communications
Special Installation Tools	None
Certifications	UL 2703, 3703 and IEC 62817, CE Declarations
Warranty	5 yr drive and control + 10 yr structure PowerGuard warranty backstop available

Conforms to
UL Standard 3703



Conforms to
UL Standard 2703



FTC Solar integrates engineering, software, and lean construction to lower installation costs and deploy reliable solar tracking solutions to advanced projects around the world.

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