

Voyager Tracker™

Next-generation single-axis tracker providing industry-leading ease of installation, performance, and reliability.



Superior Design Flexibility

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

- ◆ Enhanced MW/acre with minimal grading



Lowest Installed Cost

Voyager has been designed and engineered to minimize installation time. The Voyager tracker system uses up to 60% fewer posts than 1P designs. Together with 40% lower installation time than other 2P systems, this results in lower costs and fewer manhours.

- ◆ Rapid installation, lower costs



Yield Enhancement Software

Optimized individual row backtracking, multi-row shade optimization, and diffused light tracking add up to 6% to total system output.

- ◆ Optimal energy yield for any project



Designed for Reliability

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.

- ◆ Minimal maintenance requirements over service life



Voyager Design Specifications

Wind Speed Configurations	v105mph, v120mph, v135mph
Module Architecture	2 modules in portrait orientation
Module Types	All standard frame 72 cell, FSLR S6, Bifacial
String Architecture	1500V Systems 4 strings per row, up to 30 modules per string
	1000V Systems 6 strings per row, up to 20 modules per string
Power	24V DC self powered drive system with 3-day battery backup Two 60W Power Modules Onboard Lithium-ion Battery
Drive Type	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°), Snow Stow (40°), Flood Stow (0°), Hail Stow (60°)
Backtracking	Individual Row Level (standard)
	Terrain-Based Backtracking (included with SunPath)
Diffuse Light Capture	Included with SunPath
Ground Clearance	300mm (minimum)
Ground Coverage	20-60% GCR supported
Slope Tolerances	10° (17.5%) – North-South
	Unlimited – East-West
Snow Load	Opsf - 60psf
Operating Temperature	-20°C to 65°C (cold weather package available)
Sensor Package	Wind, Snow, Flood
Communication Architecture	Wireless Zigbee Mesh Network
	Connects to SCADA/DAS through Modbus TCP communications
Special Installation Tools	None
Certifications	UL 2703, 3703 and IEC EC 62817 (pending)
Warranty	5 yr drive and control + 10 yr structure
	PowerGuard warranty backstop available



More than just a tracker company, 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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