



# TECHTRACK CENTRALIZED

GIPL-SunLink's TechTrack Centralized single-axis tracker pairs the most robust mechanical technology with best-of-breed project intelligence technology to deliver superior energy production and long-term ROI for tracker projects anywhere in the world.

**UNBEATABLE EQUIPMENT COST, YET BUILT TO LAST** – With a unique power system based on the same globally accepted, proven hydraulic technology that drives heavy machinery in construction, power generation and beyond, TechTrack Centralized commands an industry-leading 1.2 MW per drive. This permits use of the highest quality drive components while achieving the lowest equipment cost of any proven tracking system on the market today.

**INTERNATIONALLY DEPLOYABLE** – SunLink's design features internationally recognized industrial automation equipment, ensuring that components will always be available and eliminating the need to keep an inventory of spare parts.



The hydraulic systems are built to withstand any environment, but should they require service, local technicians can be found worldwide.

**POWERCARE TO REDUCE RISK AND COST** – Via our PowerCare services program, SunLink's team is there at every step from design to commissioning through long-term O&M. Your PowerCare package can include installation services such as geotechnical testing, post installation, mechanical installation and module installation. Our O&M offering provides a unique combination of boots-on-the-ground field services and our VERTEX project intelligence platform to deliver maximum energy production for the life of the system.

## TECHNICAL SPECIFICATIONS

### GENERAL

Tracking Type	One-axis horizontal
Tilt Range (East-West)	+/- 52.5°
Module Compatibility	All major brands
Panel Mount	Portrait
Array Configuration	Up to 1.2 MWp dc; 60 modules per row and 62 rows per drive in typical wind environments
Ground Coverage Ratio	0.33 to 0.5 (per owner spec)
Tracking Method	Based on NASA's time and location algorithm. Backtracking included.
Wind + Snow Load Capacity	105 mph standard. Configurable to 150 mph with 0 psf snow load or 120 mph with up to 50 psf snow load. 35 mph stow.
Stow	Snow algorithm includes wind stow and snow shedding. Less than 3 minutes to stow.
Warranty	*Mechanical and structural components - 10 years *Controls and actuators - 5 years *Extended Warranty + O&M available; pricing upon request.

### DRIVE

Drive Type	Hydraulic
Nominal Input Voltage	480 VAC (3Φ)
Input Voltage Range	208 – 480 VAC (3Φ)
Max Power Draw	4.2 kW
Max Apparent Power Draw	5.2 kVA
Parasitic Load	Less than 0.03%
Input Power Connection	6 AWG (Max) / 12 AWG (Min) with screw-terminal connections rated for use between -55°C and 110°C

### MONITORING AND CONTROL

Control System	PLC-based controller utilizing industrial automation components
On-Site Communication	Ethernet (Modbus-TCP) or proprietary secure wireless utilizing the 802.15.4 IEEE standard and 900 MHz radios. Connected to Plant Controller via CAT5 cable
Sensors	*Wind (direction and speed), tilt angle, and GPS included standard. *Expandable up to 512 digital and 56 analog sensors
Remote Communication	Secure monitoring and control of tracker array in real-time via a private cloud gateway to browser and/or iOS app. Complete SCADA solution available; pricing upon request.