SOLON Tauri

Complete PV system single-axis tracker.

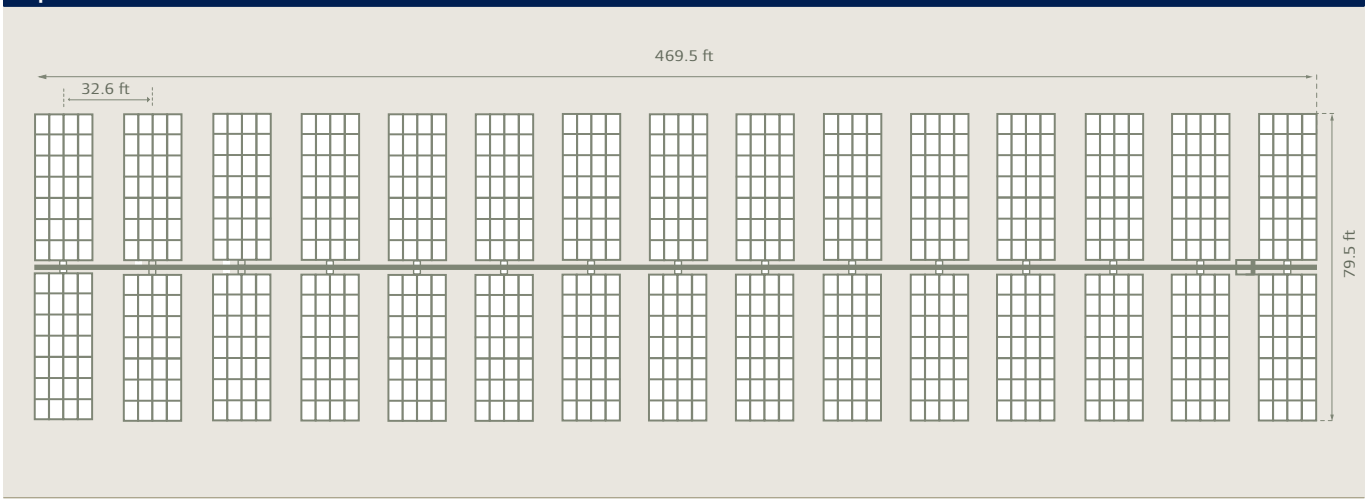
- Well-known SOLON quality
- Robust and weatherproof design
- High cost-efficiency due to easy installation and low maintenance costs
- Up to 25 % higher yield, depending on location

SOLON

SOLON Tauri

The SOLON Tauri single-axis tracking system is founded on SOLON's long-standing international experience in developing power plant solutions (e.g. SOLON Mover) and realizing turnkey solar power plants. The SOLON Tauri standard unit consists of 7 x 4 module units each containing 28 modules with a total of 840 SOLON modules. The tracking of the sun is realized via a single hydraulic unit along the horizontal axis from east to west.

Top view



System characteristics

- Complete PV system with SOLON modules
- Tracking of up to 15 rows using a central hydraulic unit
- High cost-efficiency due to easy assembling and low maintenance costs
- Self-shading optimized tracking (automatic backtracking)
- Reliable storm protection
- Six trackers per MW cluster

Modules

SOLON Blue	Nominal power P_{max} 235 Wp
SOLON Black	Nominal power P_{max} 235 Wp

System Data

Dimensions	469.5 ft in east/west direction with a row spacing of 32.6 ft 79.5 ft in north/south direction
Inverter	inverter concept according to local requirements
System weight	approx. 35 t (without foundation)
System height	max. 11.8 ft
Foundation	depending on soil conditions either earth screws, concrete finished parts or site-mixed concrete
Tracking	Rotates on a single axis using an astronomically calculated tracking algorithm with back tracking to cut losses through shading. Tracking is realized via encapsulated hydraulic drive system.
Angle of inclination	max. ±45°
Monitoring & control	SOLON Vega
Wind resistance	Up to 120 mph [1] according to ASE 7-05
Certificates	CE, TÜV: IEC 61215, IEC 61730, UL
Required space	approx. 6.15 acres for 1 MW, based on topography, location and vegetation

[1] Can be increased through constructive adjustments if required.

Subject to modifications and omissions.

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