

SOLON Tauri.

Complete Single Axial tracked PV System.



- › 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 Tauri.

The SOLON Tauri tracking system is founded on SOLON's long-standing international experience in developing power plant solutions (e.g. of the SOLON Mover) and realizing turnkey solar power plants.

The SOLON Tauri standard unit consists of 16 x 2 module units. The tracking of the sun is realized via a single hydraulic unit along the horizontal axis from east to west.

System characteristics

- Complete PV system with SOLON modules
- Tracking of up to 16 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

Modules

SOLON Blue 270/11	Nominal power P_{\max} 300 Wp
SOLON Black 280/11	Nominal power P_{\max} 310 Wp
SOLON Blue 230/07	Nominal power P_{\max} 260 Wp
SOLON Black 230/07	Nominal power P_{\max} 260 Wp

System Data

Dimensions	approx. 198 m in east/west direction with a row spacing of 12.1 m 26 m in north/south direction
Inverter	inverter concept according to local requirements
System weight	approx. 65 t (without foundation)
System height	max. 3.80 m
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. $\pm 43^\circ$
Monitoring & control	SOLON Vega / SOLON Regor
Wind resistance	80 km/h in operating position 150 km/h in storm position Eurocode
Required space	approx. 1.8 ha for 1 MW, based on module capacity and topography



www.tuv.com
ID 1240000000

