



## *SOLON Mover L*

Complete PV system for large-scale power plants with dual axis tracking.

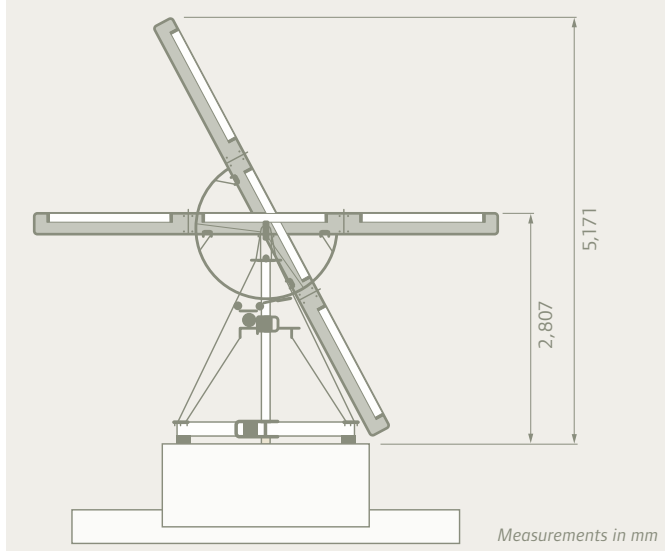
- › Internationally-proven complete PV system
- › Up to 40% higher yield as compared to fixed tilt solar power plants, depending on location
- › Robust, weatherproof and low-maintenance
- › Simple and fast grid connection
- › Minimal useable surface coverage

# SOLON Mover L

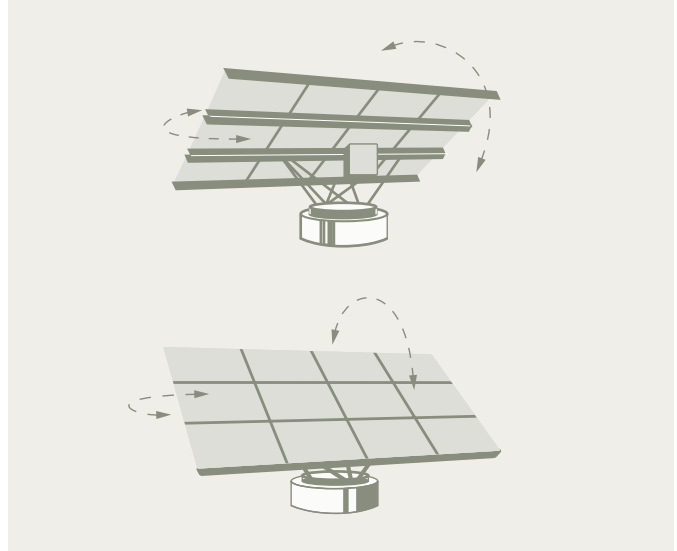
The SOLON Mover L is a complete PV system that includes all technical components for generating direct current from sunlight, transforming it into alternating current and supplying it into the public power supply. The SOLON Mover L consists of 12 large

SOLON modules, steel construction for dual axis tracking as well as power, communication, and control electronics. The SOLON Mover L is mounted on a concrete foundation.

## Profile view



## In operation



## Power plant capacity

- Fully-developed SOLON power plant technology with over 10,000 SOLON Movers installed worldwide
- Highest quality standards for all system components
- High delivery reliability due to series production

## System features

- Up to 40% increase in yield as compared to fixed, southerly-aligned plants
- Robust, weatherproof and low-maintenance complete PV system
- Simple and fast setup; grid connection available just hours after delivery
- Reliable anti-theft protection
- SOLON internet-based monitoring system for transmitting exact yield data worldwide

## Environmental commitment

- Minimal useable surface coverage – only 1.2%
- Green space between plants can be used as pasture land to prevent soil erosion and the drying up of land

## Product types

Poly	Nominal Power $P_{nom DC}$ Ø 7,500 Wp
Mono	Nominal Power $P_{nom DC}$ Ø 7,500 Wp
High Performance	Nominal Power $P_{nom DC}$ Ø 9,600 Wp

## Product data

Modules	12 SOLON large modules with 5 mm solar glass glued to steel frame, net module surface area: 52.7 m <sup>2</sup>
Inverter	remote design with 3 inverters, parallel wiring for yield optimization
System weight	3,780 kg (without foundation)
System height	max. 5.80 m
Foundation	3 m in diameter, 85 cm height, 13 t
Tracking	dual axial, astronomic, 2 electric drive motors
Communication	CAN-Bus, SOLON monitoring solutions
Wind resistance	150 km/h in storm protection position (100 km/h in normal position), connection to anemometer
Certificates	CE, TÜV: IEC 61215, IEC 61730 (Safety Class II)
Required space	approx. 5 hectares for 1 MW, depend on topography, location and vegetation



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