WATTPIC ENERGIA INTEL·LIGENT

Characteristics **Wattpic Polaris 1k**

The solar tracker Wattpic Polaris 1k has been specially designed for flat roofs or solar farms.
It is based on one polar axis arranged with an inclination of 15° to the ground, with a "H" shape structure that supports the PV modules.
The polar axis is oriented to the sun with a range of +60 to -60 ° through an astronomical program
A triangular structure at the base gives the necessary stability to the system.

Structure: The triangular structure gives greater rigidity, stability and endurance. It acts as a support for the photovoltaic generation field, and gives the inclination of 15 º to the polar axis.
PV field support: "H" shape structure composed by rectangular profiles welded and galvanized. In the structure there are the accommodations for fixing the solar panels.

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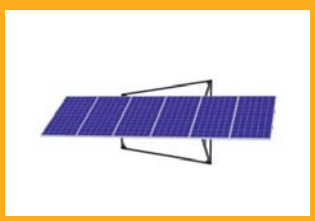
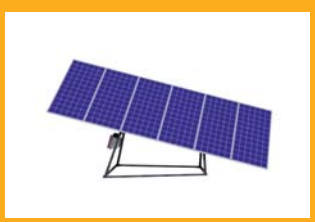


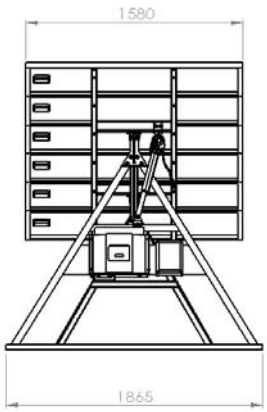


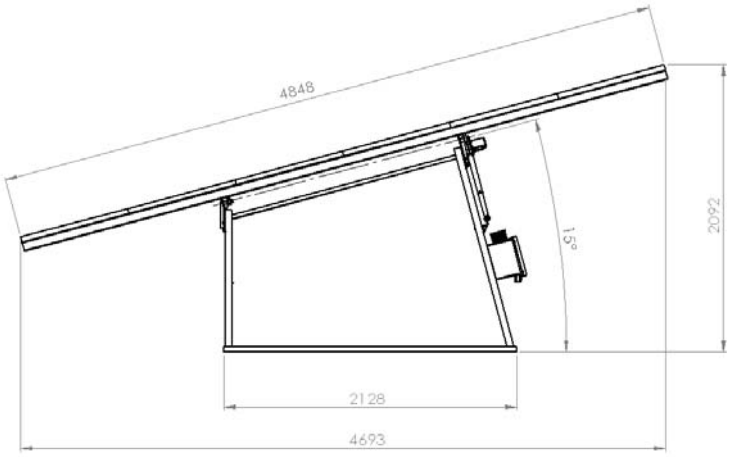
Solar aperture: 8 square meters.
Power capacity: 1,2 kW peak*. Adaptable to most framed PV modules.
Maximum expected increase of production:** Up to 35%
Tracking system: Astronomic open loop.
Max Length: 5,04 m.
Max Width: 1,87 m.
Max Height: 2,68 m.
Weight: 114 kg without modules. 209 with modules.
Turning angle (polar): 120º (+/- 60º).
Inclination of polar axis: 15 degrees.
Turning mechanism: Electric 24 V DC linear actuator.
Structure material: Galvanized steel.
Pointing accuracy: 1º.
Anchoring: Concrete slabs or directly bolted to existing structure.
Guarantee*:** Until 25 years for structure, Until 2 years for components.

* Using a 14% efficiency module.

** Values based on PVGIS data.
Increase on production depends on the installations location.
We provide a individulal estimate on customer request.

*** Adhering to the maintenance program.





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