

# AlphaTracker

TECHNICAL DATASHEET  
**AGROVOLTAIC**  
TRACKER 1P



**SUSTANTIBLE ENERGY**



**CATLE PASTURES**



**WATER SAVING**



**NO DESTRUCTION  
AGRICUTURAL JOBS**



**CROP PROTECTION**



**INCREASE LAND  
EFICIENCY**

**AlphaTracker**

**Sustainable design for a better future**

Via Ruggero Fauro, Roma  
+39 069 763 7190  
[info@alphatracker.it](mailto:info@alphatracker.it)  
[www.alphatracker.it](http://www.alphatracker.it)



## TECHNICAL SPECIFICATIONS

<b>Material</b>	S355JR, S275JR y S350GD
<b>Superficial coating</b>	HDG, ZM310
<b>Foundation</b>	Direct drive, Predrilling, Spinnaker type
<b>Screws</b>	Zinc-Níquel, HDG, Others
<b>Modules fixing</b>	Screws, clamps or Rivet
<b>Terrain adaptation</b>	The structure design are based in the terrain features
<b>Tilt</b>	$\pm 65^\circ$ (possibility of increasing to $\pm 90^\circ$ )
<b>Calculation and design</b>	According to Client specification and the terrain use
<b>Maximum height of the Tracker</b>	6 meters (approximately)
<b>Structural Pitch</b>	According to the ubication and technical specification
<b>Module compatibility</b>	Adaptable to any type of module
<b>Axis orientation</b>	N-S
<b>Module orientation</b>	E-O
<b>Poles distance N-S</b>	11 meters maximum
<b>Poles distance E-O</b>	14 meters maximum
<b>Tracker power supply</b>	Self/grid powered or string parasite
<b>Communication between tracker</b>	Zigbee Wireless communication (Modbus RTU)
<b>Slewing unit</b>	DC motor

## TOLERANCES

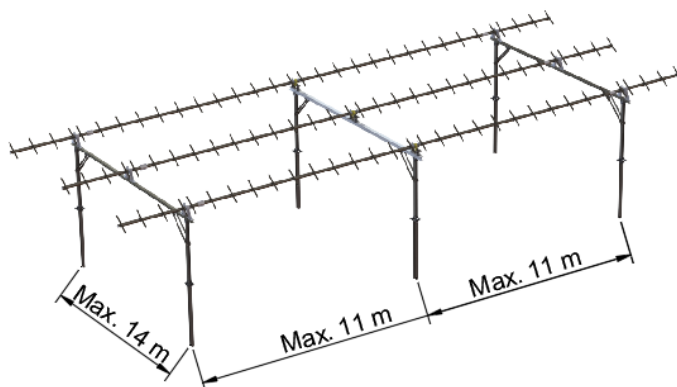
<b>Horizontal ramming tolerance N-S</b>	$\pm 10$ mm
<b>Horizontal ramming tolerance</b>	$\pm 17$ mm
<b>Vertical ramming tolerance</b>	$\pm 20$ mm
<b>Twist ramming tolerances</b>	$\pm 4^\circ$
<b>Ground slope adaptability</b>	To $\pm 15^\circ$

## WARRANTY

- 10 years structure warranty
- 25 years corrosion warranty

## OPCIONALS SERVICES

- Assembly supervision
- Pull Out Test supervision
- Technical Support



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