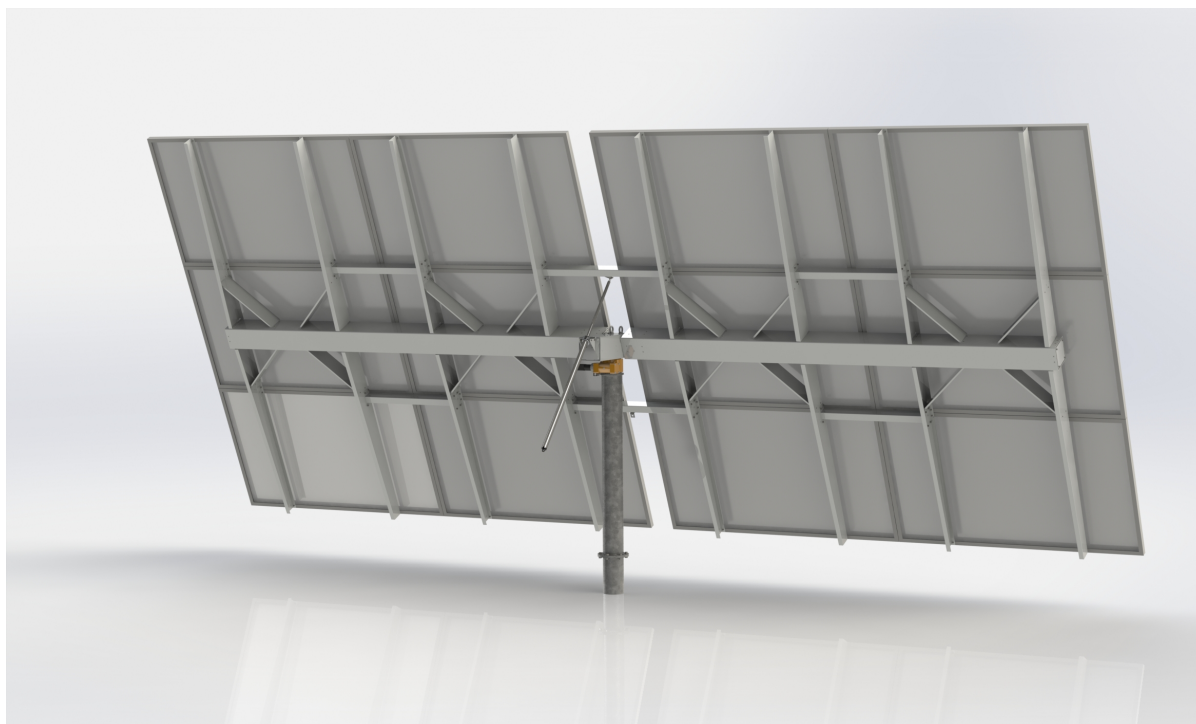


PVASt196 is a fully integrated 19,6 m² aperture photovoltaic tracker, including 12 REC 265PE modules, with a total of 3,18 kWp of power.

It is designed to be assembled at decentralised facilities and can be transported to the field as a single unit, thus optimizing logistics and minimizing installation and commissioning costs.



Main characteristics

- Pole mounted tracker using high accuracy actuators and stepper motors. Continuous tracking system for increased reliability and reduced consumption.
- Advanced ICPVS tracking technology: Horizontal internal fixed tube and maintenance free polymer bearings. Possibility of aerial electrical connection.
- Can be installed by driving pole into the ground. Very cheap process for large installations, as it is done using automated equipment. Low environmental impact as can be dismantled using the same machines. Very efficient and cheap to install in multi MW solar farms.
- For small installations concrete foundations can also be used.
- Can be easily installed on top of flat rooftops.

PVASt 196 Specifications

Solar aperture:	19,6 m ²
PV cells:	156 mm square, poly-crystalline
Cells per module:	60
Modules per system:	12
Elevation span:	0/90 degrees
Azimuth span:	0/360 degrees

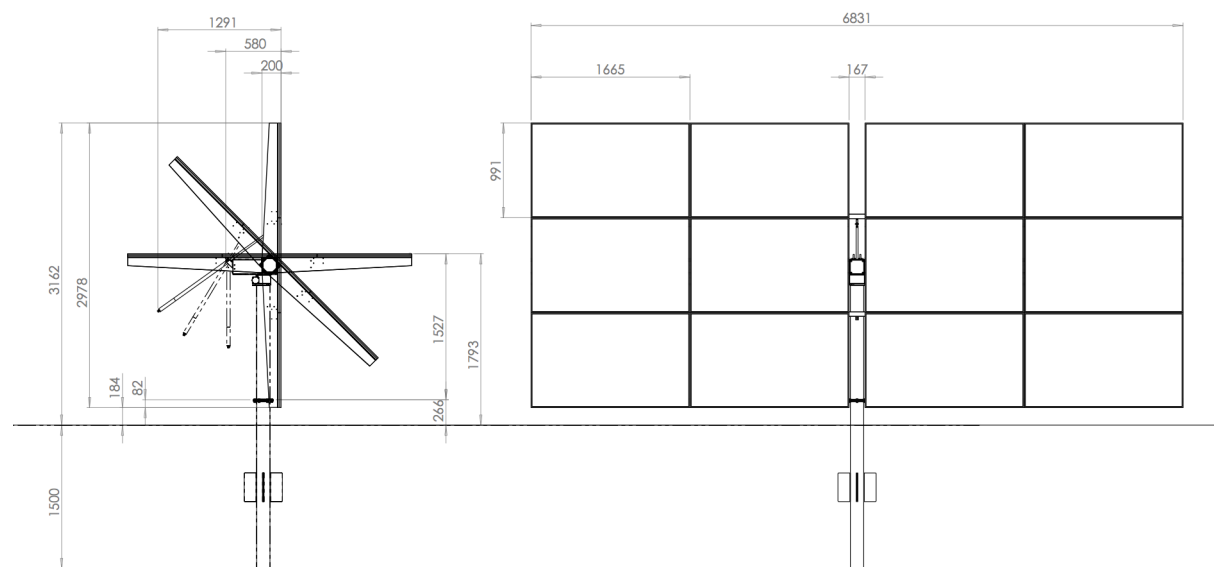
Performance

	STC (T _{cell} 25 C / GNI 1000 W/m ²)	NOC (T _{cell} 70 C / GNI 800 W/m ²)
I _{sc} :	9,80 A	7,30 A
V _{oc} :	457,20 V	432,00 V
I _{mpp} :	8,58 A	6,90 A
V _{mpp} :	370,80 V	352,80 V
FF:	76,60%	76,86%
P _{mpp} :	3.180 W	2.424 W
Efficiency:	16,10%	15,24%

Dimensions

Width:	6.831/6.831 mm
Depth:	1.291/2.978 mm
Height:	3.162/1.793 mm
Weight:	555 kg

Drawings



PVASt 196 is based on proprietary patent pending technology.

This is a preliminary brochure. Its contents are pending full verification.