

A unique offer in the photovoltaic market

We design high efficiency, new generation photovoltaic panels for energy operators. Our panels are specifically designed for sun-rich countries.

Solution description

Cylindro-parabolic mirrors to concentrate the sun's rays.

AxioSun's cells adapted to concentration.

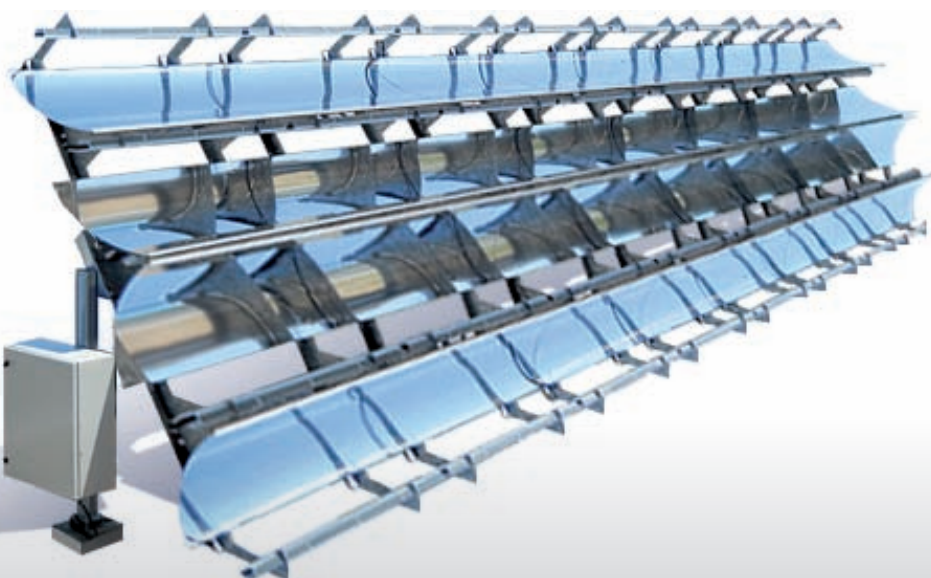
Axiosun's module adapted to concentration and high temperatures.

Passive cooling system.

Single-axis daily tracker.

Technology patented by Axiosun.

AX203



Product specifically adapted for sun-rich regions



Reduced energy production costs compared to standard panels



Guarantee that products can be upgraded



Industrial partnership, technology transfer, local manufacture

Mechanical characteristics

Number of modules per panel	32
Number of tracker per panel	1
Sun tracking angular range	150°
Weight	Approximately 840 kg
Structure of the tracker	Galvanized steel
Tracker drive mode	Electric actuator (230V AC/12 or 24V DC)
Each module's output cable	Connection TYCO-4mm2
Wind resistance: safety position	70 km/h
Wind resistance: Maximum speed	160 km/h

Electrical characteristics

Values under STC Test conditions: Sunlight of 1000W/m2 DNI, Cell temperature of 25°C, AM 1.5

Our panels are configurable in various ways depending on desired current or voltage parameters

Configuration	Option1	Option2	Option3
Maximum power Wp (Pmax):	3.4 kWp	3.4 kWp	3.4 kWp
Voltage at Pmax (Vmpp)	172	344	688
Intensity Pmax (Impp)	19,6	9,8	4,9
Short-circuit current (Isc)	22	11	5,5
Open-circuit voltage (Voc)	197,6	395,2	790,4
Temperature coefficient for Isc	0.047 %/°C	0.047 %/°C	0.047 %/°C
Temperature coefficient for Voc	-0.335 %/°C	-0.335 %/°C	-0.335 %/°C
Temperature coefficient of Pmax	-0.409 %/°C	-0.409 %/°C	-0.409 %/°C

Guarantees and certifications

Certification	IEC 62108 (Ongoing), CE
Actuator certification	IP66, IP69K (In static)
Panel guarantee	3 years
Production guarantee with loss of 0.7%/year	20 years

Dimensions

