

OPENAX 425W

Bifacial PV Module 425W OPENAX

108 half-cell Heterojunction technology (HJT)

30
years

Performance guarantee
linear

30
years

Product warranty

21,76%

Module efficiency



Bifacial technology

Bifaciality enables light to be captured on 2 sides of the panel up to 90% of the panel



Bi-glass technology

- Guarantees the panel's durability over time.
- Stronger panel: resistant to critical atmospheric agents (hail, sand, salt spray)
- No risk of micro-cracks



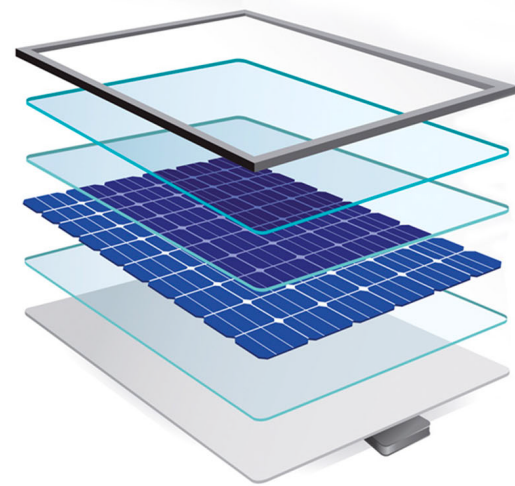
HJT heterojunction technology

- Thanks to the combination of monocrystalline and amorphous silicon amorphous silicon, the cell is stronger and more efficient
- Exceptional efficiency: 21.76

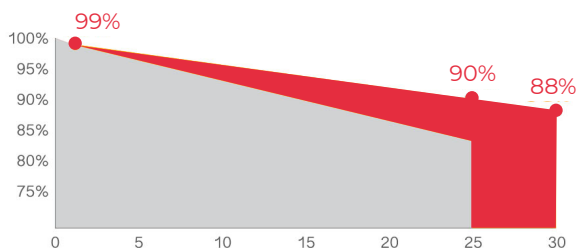


Better performance even in very hot weather

With a temperature coefficient of $-0.26\%/^{\circ}\text{C}$, it generates up to $+3.9\%$ more energy than a conventional panel



High reliability



■ OPENAX linear performance guarantee

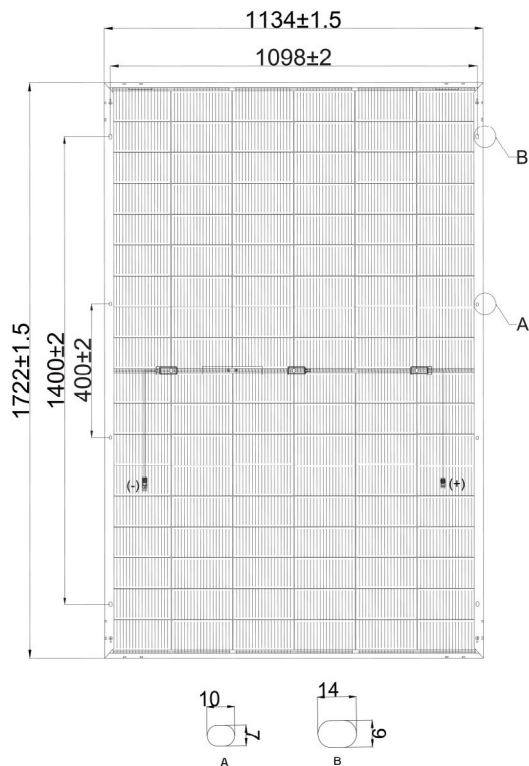
■ Linear Performance Guarantee Industry Standard industry standard

Certificats



TECHNICAL DRAWING

unity: mm



ELECTRICAL PARAMETERS FRONT GLASS (STC*)

MODEL	OPENAX 425W
Maximum power Pmax (W)	425
Efficiency module (%)	21,76
Optimum operating voltage Vmp (V)	33,23
Optimum operating current Imp (A)	12,79
Open circuit voltage Voc (V)	40,07
Short circuit current Isc (A)	13,24
Operating temperature (C)	-40 until + 85°C
Maximum system voltage (V)	1500
Max series fuse (A)	25
Power tolerance (W)	0~+5
Bifacility	85% ± 5%

*Irradiance STC 1000W/m², Cell temperature 25°C, AM=1.5 Pmax tolerance+/-3%.

REAR GLASS ELECTRICAL METERS (BSTC**)

Maximum power Pmax (W)	470
Optimum operating voltage Vmp (V)	33,23
Optimum operating current Imp (A)	14,14
Open circuit voltage Voc (V)	40,07
Short circuit current Isc (A)	14,64

**BSTC Frontal irradiation 1000W/m², back reflection irradiation 135W/m², AM=1.5 Ambient temperature 25°C

TEMPERATURE

Nominal cell operating temperature	44°C ± 2°C
Temperature coefficient Pmax	-0,26%/C
Temperature coefficient Voc	-0,24%/C
Temperature coefficient Isc	0,24%/C

MECHANICAL PARAMETERS

Cell type	HJT Mono 182x91.75mm
Number of cells	108 (6x18)
Module size	1722x1134x30mm
Weight	26kg
Junction box	IP68
Connection cable	4.0mm ² , 1200mm
Type of connector	MC4
Frame	Black anodised aluminium
Front mechanical load	5400Pa
Mechanical load rear panel	2400Pa
Glass	Double glass, 2,0/1.6mm

SAFETY AND GUARANTEE

Safety class	Class II
Linear disruption guarantee	30 years
Product warranty	30 years

PACKAGING DETAILS

Container size	40°
Pallets per container	26
Module per pallet (pcs)	36
Module per container (pcs)	936

