

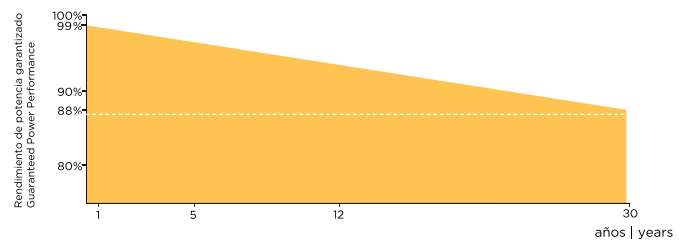


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

La alta eficiencia de nuestras células solares nos permite producir diferentes tipos de paneles para a su vez dar la mayor eficiencia posible a sus instalaciones.

*Exiom Solution designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cell let us manufacture the different kinds of panels to get the most efficient in your installations.*

#### GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY



## 25 AÑOS GARANTIA DE PRODUCTO YEARS PRODUCT WARRANTY

22.0  
%

#### Extreme Power Production

The module efficiency up to 22.0% achieved by utilizing the most advanced technology in the solar industry.



Weak light

#### High Energy Yield

Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest. Or under the cloudy, haze condition.



SuperMBB

#### SuperMBB Half-Cut Cell Technology

Using the advanced BB solar cell combines with half-cut cell technology to guarantee more power.

5,400  
2,400  
Pascal

#### Guaranteed Better Durability

Certified for snow and wind loads of a maximum of 5,400 / 2,400 Pascals and with better protection against harsh weather to improve cell life for long-lasting high power.



#### Advanced Bifacial Efficiency

Bifaciality > 80%, effectively improves backside power generation.

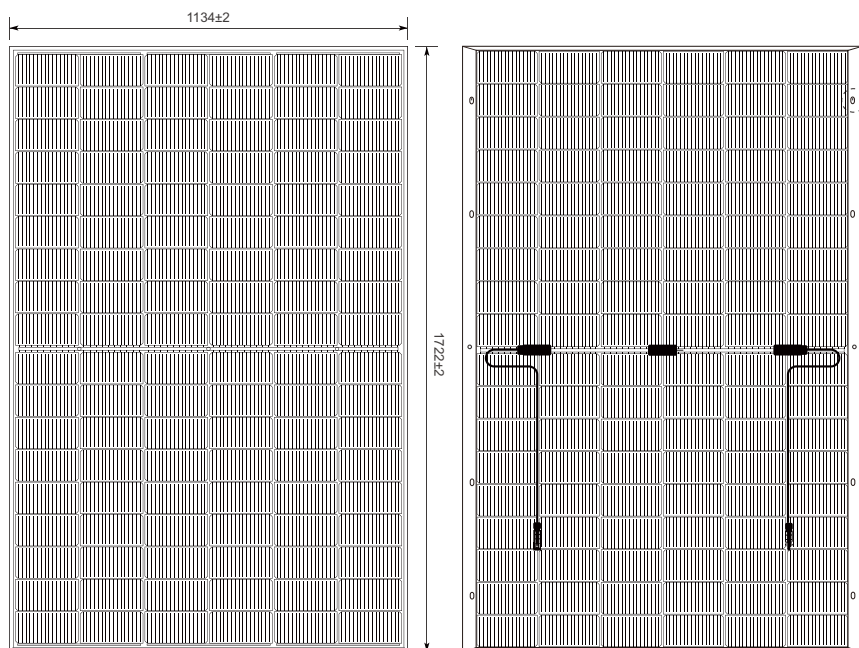
A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power even with a backsheet.



#### Industry Leading Output Warranty

Topcon technology result in extremely low LID and PID which supports reliability and longevity. 12% power degradation in 30 years.





### DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 1722*1134mm
Cells: N-Type 16BB 182mm (2x54pcs)
Frame: Anodized aluminum alloy
Connector: Compatible MC4
Weight: 22 kg
Front load: 5400Pa
Real Load: 2400Pa
Junction Box: IP68, 3 bypass diodes
Glass Front: 2mm Anti-reflective surface Solar glass
Glass Back: 2mm Solar glass
Cable: 4.0mm <sup>2</sup> , 1m (+), 1m (-), length can be customized

TIPO TYPE	EX415TC-108BF		EX420TC-108BF		EX425TC-108BF		EX430TC-108BF		EX435TC-108BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida   Power output	415	315.3	420	319.1	425	322.8	430	326.5	435	330.2
Voltaje circ. abierto   Voltage open circuit, VOC (V)	37.92	35.90	38.11	36.10	38.30	36.20	38.49	36.40	38.68	36.50
Intensidad cortocircuito   Short circuit current, ISC (A)	13.99	11.28	14.07	11.34	14.15	11.41	14.23	11.47	14.31	11.53
Voltaje máximo   Max. voltage, VMP (V)	31.32	29.50	31.51	29.70	31.70	29.90	31.88	30.10	32.07	30.30
Intensidad máxima actual   Current, IMP (A)	13.25	10.68	13.33	10.74	13.41	10.80	13.49	10.87	13.57	10.90
Modulo eficiencia   Module Efficiency (%)	21.30		21.50		21.80		22.00		22.27	
Max. potencia tolerada   Max. power tolerance (%)	(0,+3)									
Max. system Voltage (V)	1.500Vdc (IEC/UL)									
Maximum Series Fuse Rating (A)	25A									

STC 1000 W/M2. Module Temperature 25°C A.M.1,5 | NOCT 800W/M2 Environment. Temperature 20°C A.M. 1,5

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS	BIFACIAL SALIDA BIFACIAL OUTPUT REAR SIDE POWER GAIN						
		5%	10%	15%	25%	30%	
Coefficiente de temp.   Temp. Coefficient (P <sub>MAX</sub> )	-0.350%/°C	Power Gain	5%	10%	15%	25%	30%
Coefficiente de temp.   Temp. Coefficient (ISC)	0.045%/°C	Maximum Power- P <sub>max</sub> (W)	473.0	494.5	516.0	537.5	554.0
Coefficiente de temp.   Temp. Coefficient (VOC)	-0.275%/°C	Open Circuit Voltage - Voc (V)	38.60	38.70	38.80	38.80	38.90
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)	Short- Circuit Current - Isc (A)	15.70	16.44	17.18	17.93	18.50
Operating Temperature	-40-+85°C	Voltage at P <sub>max</sub> -V <sub>mp</sub> (V)	31.70	31.60	31.60	31.60	31.50
		Current at P <sub>max</sub> - Imp (A)	14.94	15.64	16.33	17.04	17.58

### I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (430)

