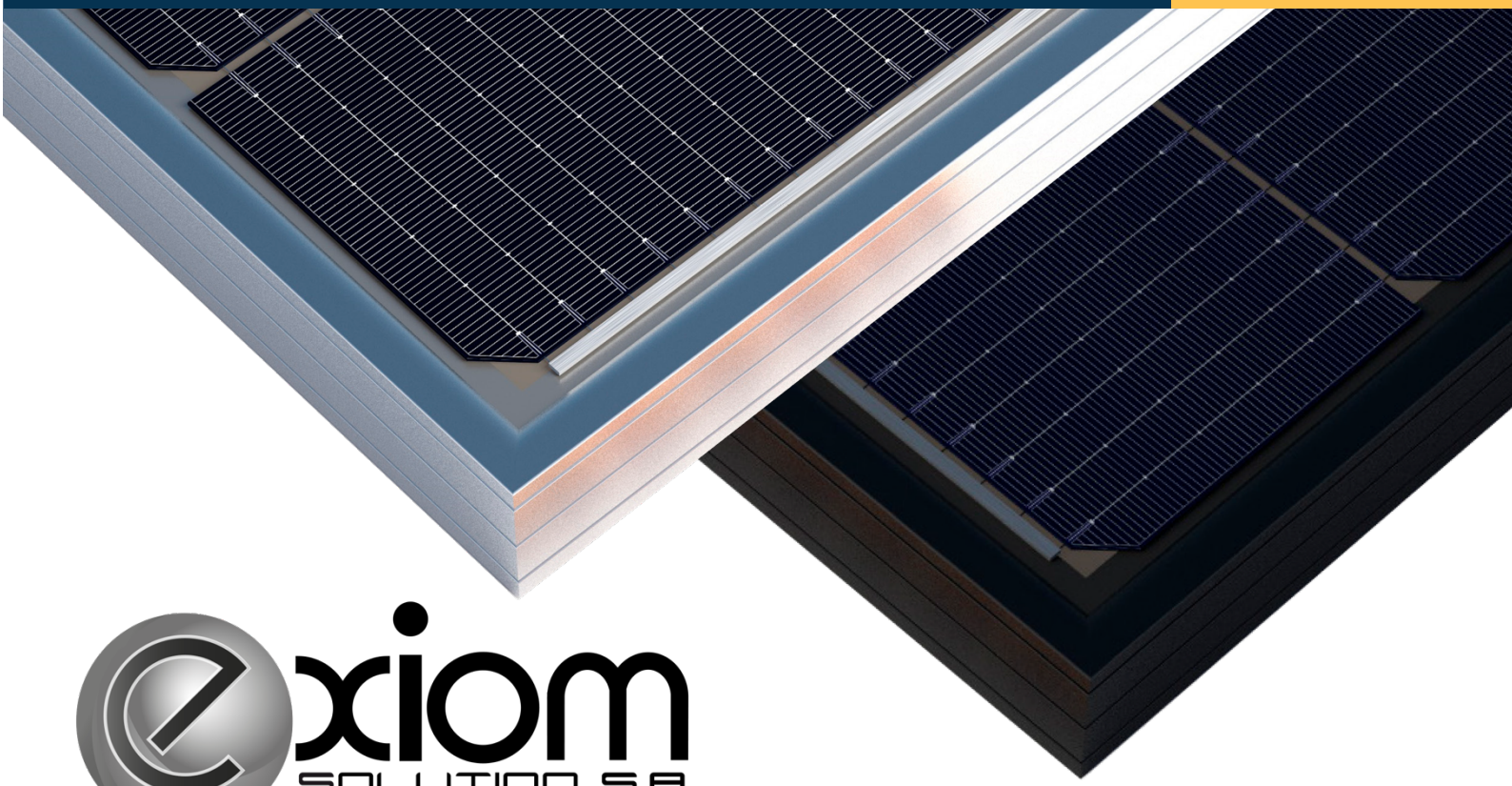
EX415-435TC(B)-108(HC)(182)BF

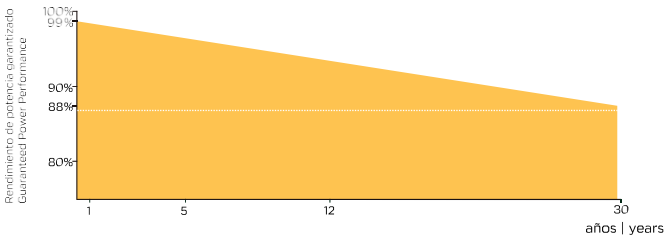
N-TYPE



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-e ciency solar cell let us manufacture the different kinds of panels to get the most e cient 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.

1 TIER Bloomberg NEW ENERGY FINANCE

CERTIFIED IEC 61730 Ed.1

CERTIFIED IEC 61215 Ed.2

Anti-PID
System voltage durability
PPP 56042

MCS CE INMETRO

HEAD OFFICE: C/ SAN FRANCISCO, 5 – 5. 33003. OVIEDO
PHONE: +34 984 033 709 WWW.EXIOMSOLUTION.COM

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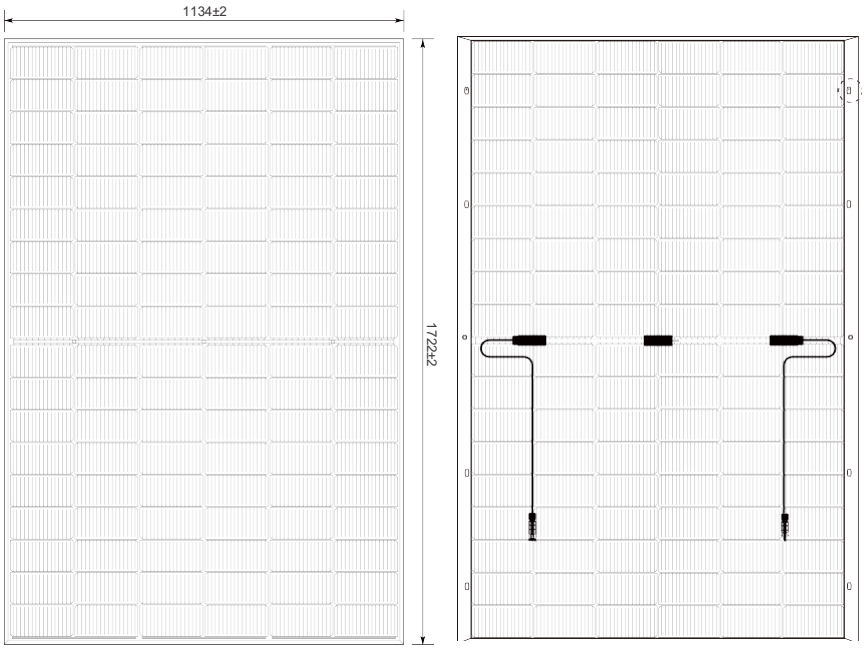

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

- Dimensions: 1722*1134*30 mm
- 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: 4.0mm², 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 | Moducle 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 25ºC A.M.1,5 | NOCT 800W/M2 Environment. Temperature 20ºC A.M. 1,5

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS	
Coeficiente de temp. | Temp. Coefficient (PMAX)	-0.350%/ºC
Coeficiente de temp. | Temp. Coefficient (ISC)	0.045%/ºC
Coeficiente de temp. | Temp. Coefficient (VOC)	-0.275%/ºC
Nominal Operating Cell Temp. (NOCT)	45ºC (±2ºC)
Operating Temperature	-40~+85ºC

BIFACIAL SALIDA BIFACIAL OUTPUT REAR SIDE POWER GAIN					
Power Gain	5%	10%	15%	25%	30%
Maximum Power- Pmax (W)	473.0	494.5	516.0	537.5	554.0
Open Circuit Voltage - Voc (V)	38.60	38.70	38.80	38.80	38.90
Short- Circuit Current - Isc (A)	15.70	16.44	17.18	17.93	18.50
Voltage at Pmax -Vmp (V)	31.70	31.60	31.60	31.60	31.50
Current at Pmax - Imp (A)	14.94	15.64	16.33	17.04	17.58

I-V CURVAS CURVES

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