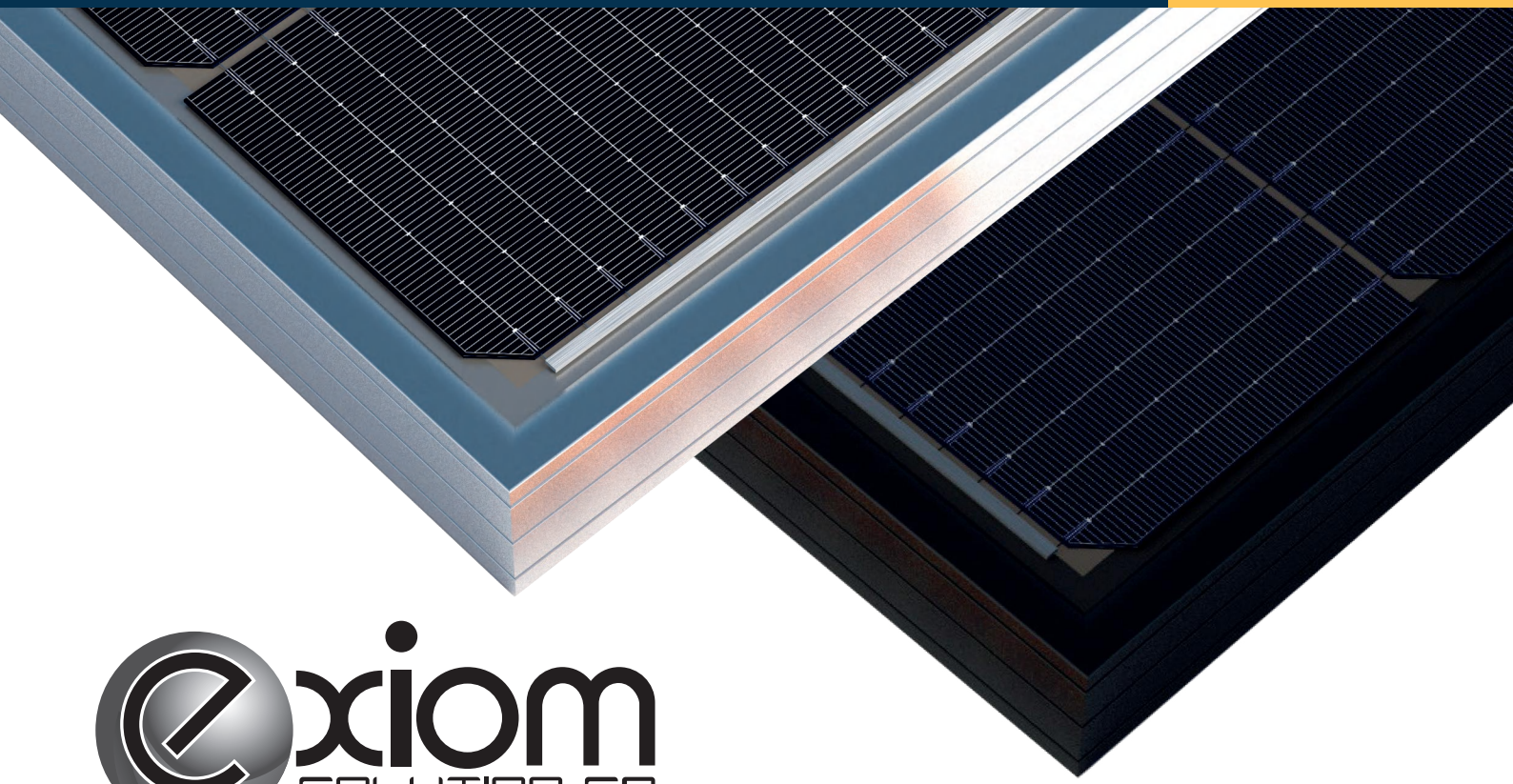
EX470-490TC(B)-120(HC)(182)BF

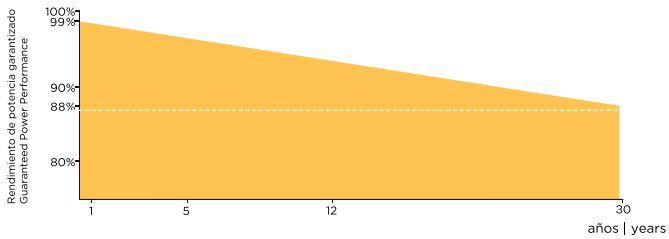
N-TYPE



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-efficiency solar cell let us manufacture the different kinds ofpanels to get the most efficient in your installations.

GARANTÍA DE RENDIMIENTO LINEAL
LINEAR PERFORMANCE WARRANTY



15Years Enhanced Product Warranty on Materials and Workmanship
30Years Linear Power Performance Warranty

SMBB Technology
Better light trapping and current collection to improve module power output and reliability.

Hot 2.0 Technology
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.

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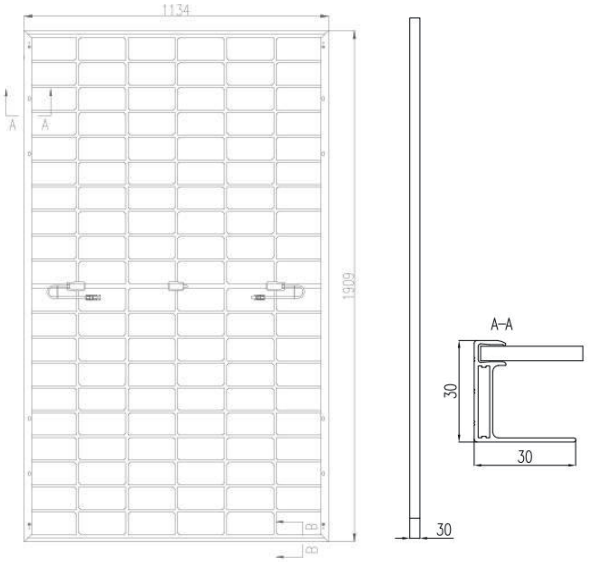
PHONE: +34 984 033 709 WWW.EXIOMSOLUTION.COM

Especificaciones sujetas a cambios técnicos y pruebas.
Exiom Solution se reserva el derecho de la correcta interpretación final.
Specifications subject to technical changes and tests.
Exiom Solution reserves the right of final interpretation.

EX470-490TC(B)-120(HC)(182)BF

N-TYPE



DATOS MECÁNICOS MECHANICAL SPECIFICATIONS	
Dimensions: 1909*1134*30mm	
Nº of cells: 120 [2 x (10 x 6)]	
Cells: N type Mono-crystalline	
Front glass: 2.0mm, Anti-Reflection Coating	
Back glass: 2.0mm, Heat Strengthened Glass	
Weight: 27 kg	
Junction Box: IP68 (3 diodes)	
Frame: Anodized aluminum alloy	
Cable: 4mm²	
Packaging Configuration:	36pcs/Pallet 864pcs/40HQ Container

TIPO TYPE	EX470TC-120BF		EX475TC-120BF		EX480TC-120BF		EX485TC-120BF		EX490TC-120BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida | Maximum Power	470	353	475	357	480	361	485	365	490	369
Voltaje máximo | Max. voltage, VMP (V)	35.05	32.94	35.21	33.10	35.38	33.27	35.54	33.44	35.70	33.61
Intensidad máxima actual | Current, IMP (A)	13.41	10.73	13.49	10.79	13.57	10.85	13.65	10.91	13.73	10.97
Voltaje circ. abierto | Voltage open circuit, VOC (V)	42.38	40.25	42.54	40.41	42.71	40.57	42.88	40.73	43.05	40.89
Intensidad cortocircuito | Short circuit current, ISC (A)	14.15	11.42	14.23	11.49	14.31	11.55	14.39	11.61	14.47	11.67
Modulo eficiencia | Moducle Efficiency (%)	21.71		21.94		22.17		22.40		22.63	
Max. potencia tolerada | Max. power tolerance (W)	0~+3%									
Max. system Voltage (V)	1500VDC (IEC)									
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

GANANCIA POTENCIA BIFACIALIDAD BIFACIAL OUTPUT-REARSIDE POWER GAIN

Power Gain	Power Output	Voltage Mpp-Vmpp	Current Mpp-Impp	Voltage Open Circuit-Voc	Short Circuit Current-Isc
10%	517 Wp	35.15 V	14.71 A	42.32 V	15.55 A
15%	541 Wp	35.15 V	15.38 A	42.32 V	16.26 A
20%	564 Wp	35.15 V	16.04 A	42.32 V	16.97 A
25%	588 Wp	35.15 V	16.71 A	42.32 V	17.68 A
30%	611 Wp	35.15 V	17.38 A	42.32 V	18.38 A

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coeficiente de temp. | Temp. Coefficient(PMAX)	-0.29%/ºC
Coeficiente de temp. | Temp. Coefficient(ISC)	0.045%/ºC
Coeficiente de temp. | Temp. Coefficient(VOC)	-0.25%/ºC
Nominal Operating Cell Temp. (NOCT)	45ºC (±2ºC)
Operating Temperature	-40~+85ºC
Refer. Bifacial Factor	80±5%

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25ºC. Current-Voltage & Power Voltage Curve (470)