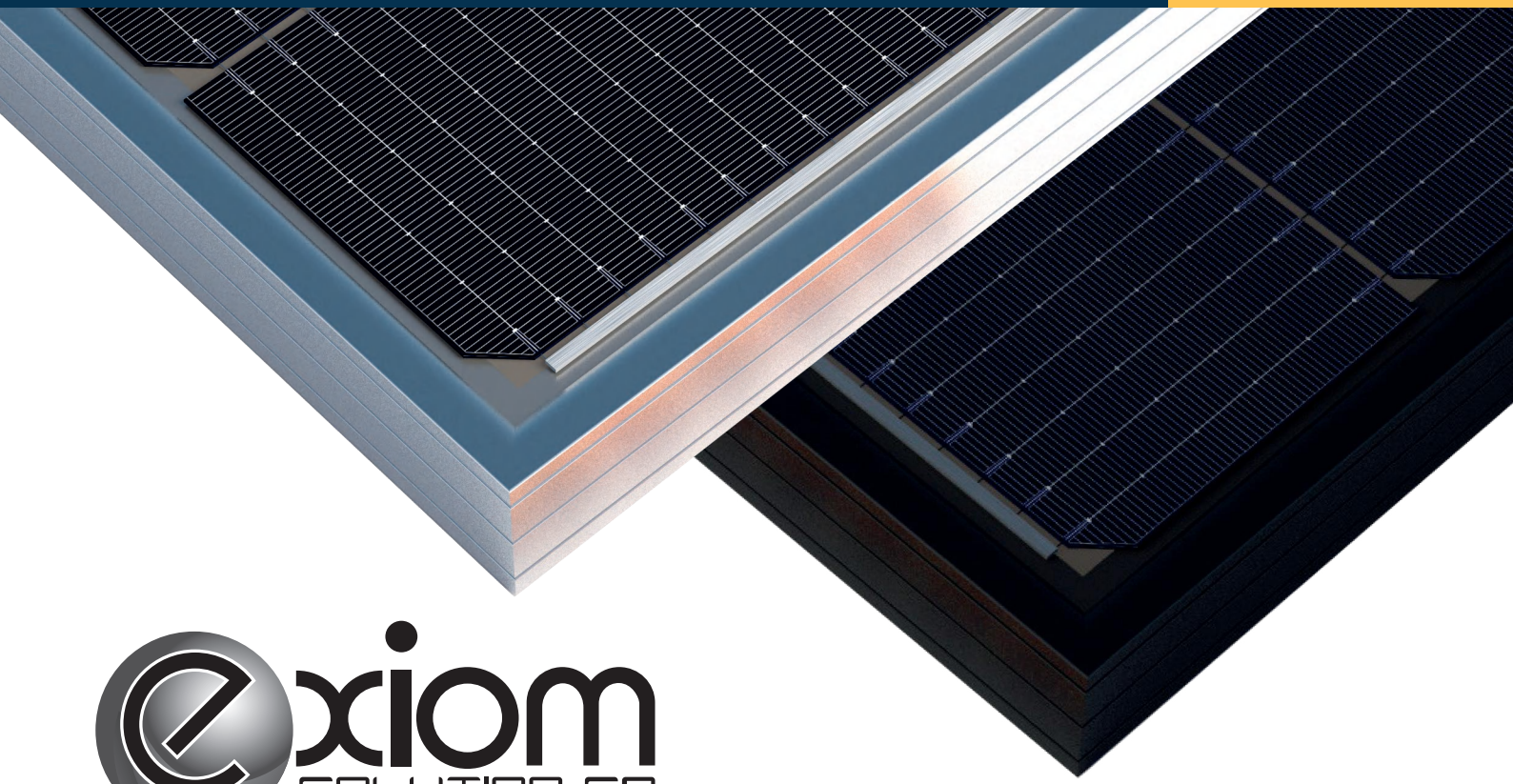
EX565-585TC(B)-144(HC)(182)BF

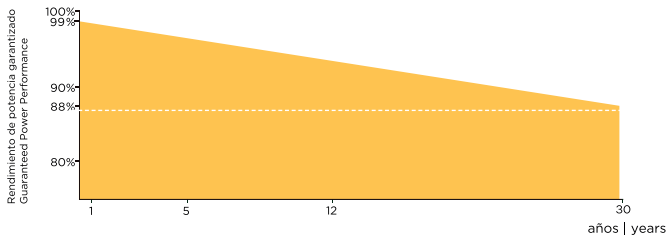
N-TYPE



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



25Years 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.

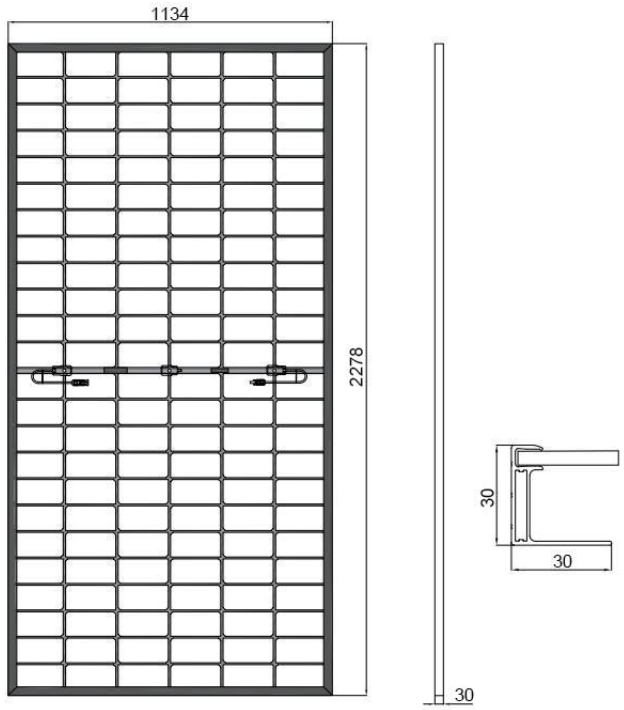
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

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

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

EX565-585TC(B)-144(HC)(182)BF

N-TYPE



DATOS MECÁNICOS MECHANICAL SPECIFICATIONS	
Dimensions: 2278*1134*30mm	
Nº of cells: 144 (2×72)	
Cells: N type Mono-crystalline	
Front glass: 2.0mm, Anti-Reflection Coating	
Back glass: 2.0mm, Heat Strengthened Glass	
Weight: 32 kg	
Junction Box: IP68 Rated	
Frame: Anodized aluminum alloy	
Cable: 4mm²	
Packaging Configuration:	36pcs/Pallet 792pcs/40HQ Container

TIPO TYPE	EX565TC-144HC-BF		EX570TC-144HC-BF		EX575TC-144HC-BF		EX580TC-144HC-BF		EX585TC-144HC-BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida | Maximum Power	565	425	570	429	575	432	580	436	585	440
Voltaje en punto de max. potencia| Max. voltage, Vmpp (V)	42.14	39.52	42.29	39.65	42.44	39.78	42.59	39.87	42.74	39.96
Intensidad en punto de max. potencia | Current, Impp(A)	13.41	10.75	13.48	10.81	13.55	10.87	13.62	10.94	13.69	11.02
Voltaje circ. abierto | Voltage open circuit, Voc (V)	50.87	48.32	51.07	48.51	51.27	48.70	51.47	48.89	51.67	49.08
Intensidad cortocircuito | Short circuit current, Isc (A)	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.60	14.43	11.65
Eficiencia del módulo | Module efficiency (%)	21.87		22.07		22.26		22.45		22.63	
Tolerancia de potencia máxima | Max. power tolerance (W)	0~+3%									
Voltaje máximo del sistema | Max. system Voltage (V)	1500VDC (IEC)									
Máximo fusible admitido | Maximum Series Fuse Rating (A)	25A									

STC 1000 W/m². Module Temperature 25ºC A.M.1,5 | NOCT 800W/m²Environment. Temperature 20ºC A.M. 1,5

GANANCIA POTENCIA BIFACIALIDAD BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power (Pmax)	588Wp	593Wp	599Wp	604Wp	609Wp
	Module efficiency STC (%)	22.76%	22.97%	23.17%	23.37%	23.57%
10%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	661Wp	667Wp
	Module efficiency STC (%)	24.93%	25.15%	25.37%	25.60%	25.82%
15%	Maximum Power (Pmax)	700Wp	706Wp	713Wp	719Wp	725Wp
	Module efficiency STC (%)	27.10%	27.34%	27.58%	27.82%	28.07%

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coeficiente de temp. para Pmax | Temp. Coefficient (Pmax)	-0.29%/ºC
Coeficiente de temp. para Isc | Temp. Coefficient (Isc)	0.045%/ºC
Coeficiente de temp.para Voc | 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 (570)