

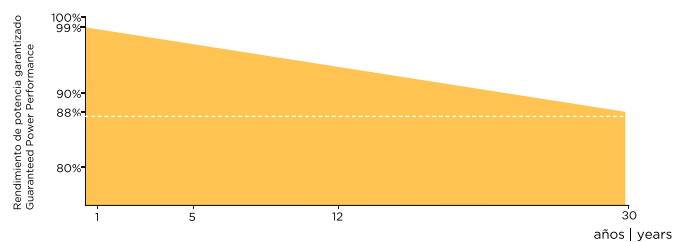


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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



### SMBB Technology

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



### PID Resistance

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



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



### Hot 2.0 Technology

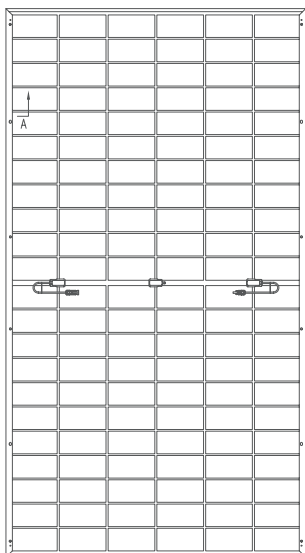
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



### Enhanced Mechanical Load

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





### DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 2384*1303mm
Number of Cells: 132 [ 2 x ( 11 x 6 ) ]
Cell Size: 210mm*105mm
Weight: 38 kg
Junction Box: IP68 (3 diodes)
Frame: Anodized aluminum alloy
Front Glass 2.0mm, Anti-Reflection Coating
Rear Glass 2.0mm, Heat Strengthened Glass
Cable: 4mm <sup>2</sup>

TIPO TYPE	EX680MB-132BF		EX685MB-132BF		EX690MB-132BF		EX695MB-132BF		EX700MB-132BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida   Power output	680	513	685	517	690	521	695	525	700	529
Voltaje circ. abierto   Voltage open circuit, VOC (V)	46.50	44.37	46.69	44.56	46.88	44.75	47.07	44.94	47.26	45.13
Intensidad cortocircuito   Short circuit current, ISC (A)	18.69	15.05	18.74	15.09	18.79	15.13	18.84	15.17	18.89	15.21
Voltaje máximo   Max. voltage, VMP (V)	38.55	36.15	38.74	36.36	38.94	36.56	39.13	36.74	39.33	36.94
Intensidad máxima actual   Current, IMP (A)	17.64	14.19	17.68	14.22	17.72	14.25	17.76	14.29	17.80	14.32
Modulo eficiencia   Module Efficiency (%)	21.89		22.05		22.21		22.37		22.53	
Max. potencia tolerada   Max. power tolerance (%)	(0, +5W)									
Max. system Voltage (V)	1.500Vdc (IEC/UL)									
Maximum Series Fuse Rating (A)	30A									
Bifaciality	75±5%									

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5 | \*NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS		BIFACIAL SALIDA BIFACIAL OUTPUT REAR SIDE POWER GAIN					
		Power Gain	10%	15%	20%	25%	30%
Coefficiente de temp.   Temp. Coefficient (P <sub>MAX</sub> )	-0.30%/°C	Power Gain	10%	15%	20%	25%	30%
Coefficiente de temp.   Temp. Coefficient (ISC)	0.046%/°C	Maximum Power- P <sub>max</sub> (W)	759	794	828	863	897
Coefficiente de temp.   Temp. Coefficient (VOC)	-0.26%/°C	Open Circuit Voltage - Voc (V)	46.88	46.88	46.88	46.88	46.88
Operating temperature	-40-+85°C	Short- Circuit Current - I <sub>sc</sub> (A)	20.67	21.61	22.55	23.49	24.43
NOCT	42±2°C	Voltage at P <sub>max</sub> -V <sub>mp</sub> (V)	38.94	38.94	38.94	38.94	38.94
		Current at P <sub>max</sub> - I <sub>mp</sub> (A)	19.49	20.38	21.26	22.15	23.04

### I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (690)

