

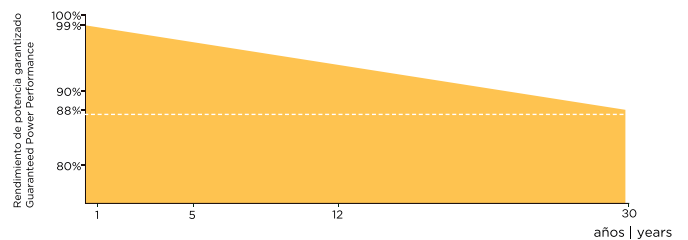


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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

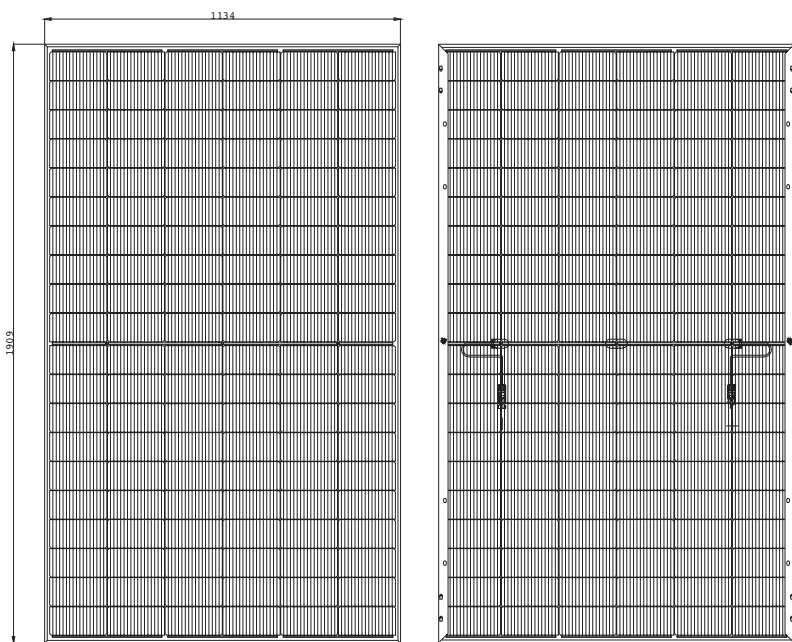
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Enhanced Mechanical Load

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





DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Laminate Structure: Glass/ POE/ Cells/ POE/Glass
Dimensions: 1909*1134mm
Cells: N-Type 16BB 182mm (2x60pcs)
Frame: Anodized aluminum alloy
Connector: MC4 Compatible
Weight: 25.9 kg
Front load: 5400Pa
Real Load: 2400Pa
Junction Box: IP68,
Front Glass: AR Coated 3.2 mm tempered glass
Cable: 4.0mm ² , 1200mm (+), 1200mm (-), length can be customized

TIPO TYPE	EX470TC-120		EX475TC-120		EX480TC-120		EX485TC-120		EX490TC-120	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida Power output	470	353	475	357	480	361	485	365	490	369
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
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
Modulo eficiencia Module Efficiency (%)	21.78		22.01		22.24		22.40		22.63	
Max. potencia tolerada Max. power tolerance (%)	(0,+3)									
Max. system Voltage (V)	1500Vdc (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

Coefficiente de temp. Temp. Coefficient (P _{MAX})	-0.29%/°C
Coefficiente de temp. Temp. Coefficient (ISC)	0.045%/°C
Coefficiente de temp. Temp. Coefficient (VOC)	-0.225%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40-+85°C

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (490)

