

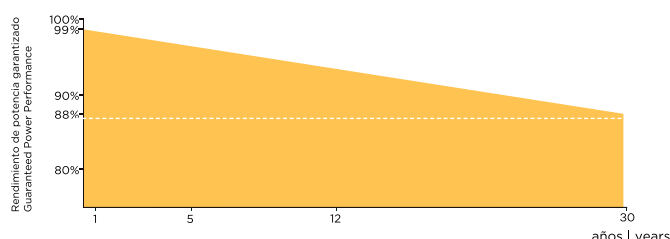


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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.



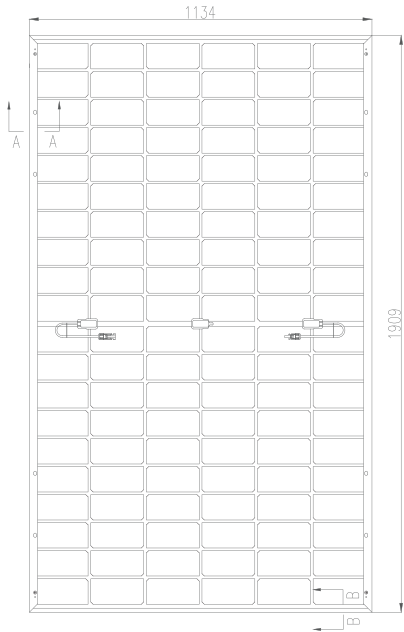
Enhanced Mechanical Load

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



Bloomberg
NEW ENERGY FINANCE





DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 1909*1134mm
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

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 25°C A.M.1,5 NOCT 800W/M2 Environment. Temperature 20°C A.M. 1,5										

GANANCIA POTENCIA BIFACIALIDAD BIFACIAL OUTPUT-REAR SIDE 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%/°C
Coeficiente de temp. Temp. Coefficient (ISC)	0.045%/°C
Coeficiente de temp. Temp. Coefficient (VOC)	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40-+85°C
Refer. Bifacial Factor	80±5%

I-V CURVAS CURVES

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

