

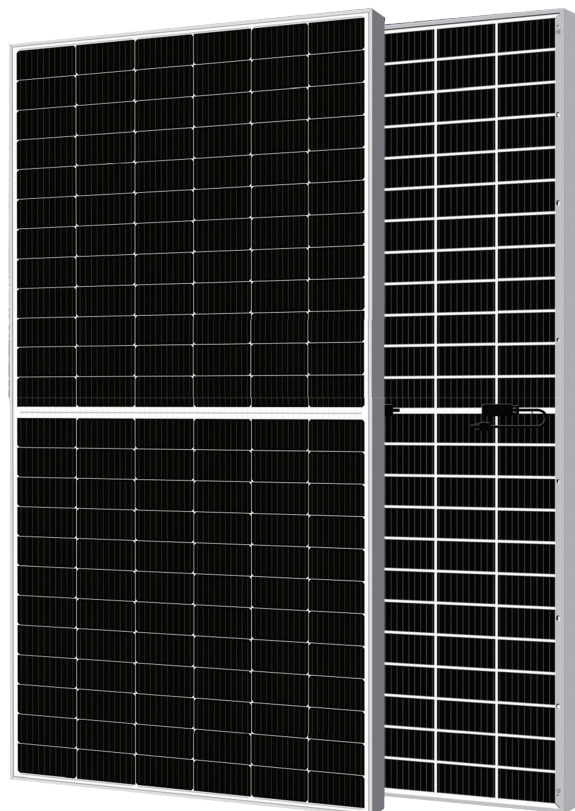


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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.*



#### DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones | Dimensions: 2279 \*1134mm

Peso | Weight: 34 kg

Cable: 4 mm<sup>2</sup>, +300,-300mm / ±300m.  
Length can be customized

Celdas | Cells : 182\*91 Mono - 144 (6x24)

Marco | Frame: Aluminum Alloy

Carga viento y nieve | Wind-Snow Load: 200pa/5400pa

Connector | Conector: MC4 compatible

#### CONDICIONES DE TRABAJO WORKING CONDITIONS

Max. Voltaje | Max. system Voltage (V): 1500

Max Series Fuse Rating: 25A

Glass | Cristal: Front: 2.00mm coated ultra clear glass  
Back: 2.00mm heat-strengthened glass

Temp. funcionamiento | Operating temperature: -40-+85

Clase de seguridad | Safety Class: Class A

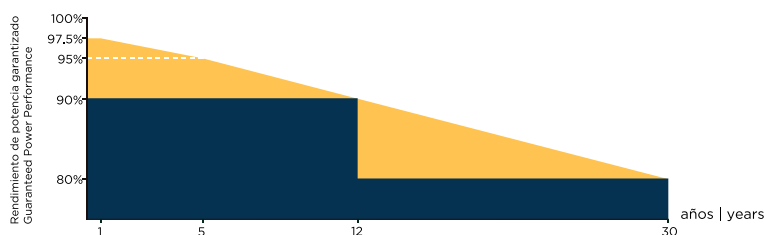
Bifacialidad Potencia | Power Bifaciality: 70±5%

Caja conexiones | Junction box: IP68

#### GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY

Garantía de rendimiento lineal  
Lineal performance warranty

Garantía de rendimiento estandar  
Standard performance warranty



CERTIFIED  
**IEC**  
61730 Ed.1

CERTIFIED  
**IEC**  
61215 Ed.2

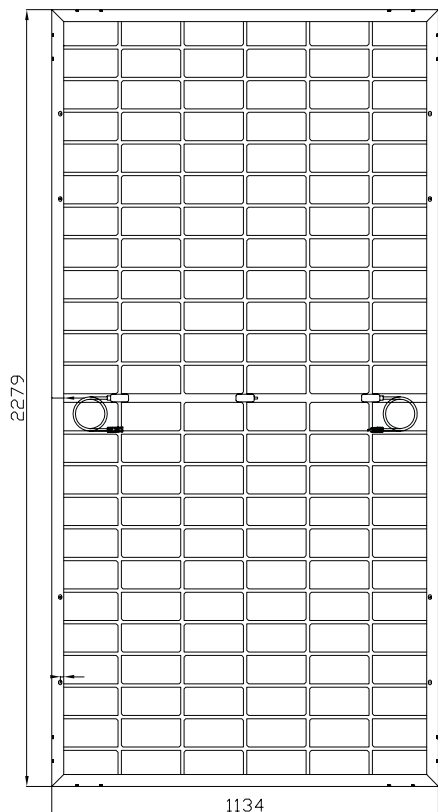


Anti-PID  
System voltage durability  
PPP 56042



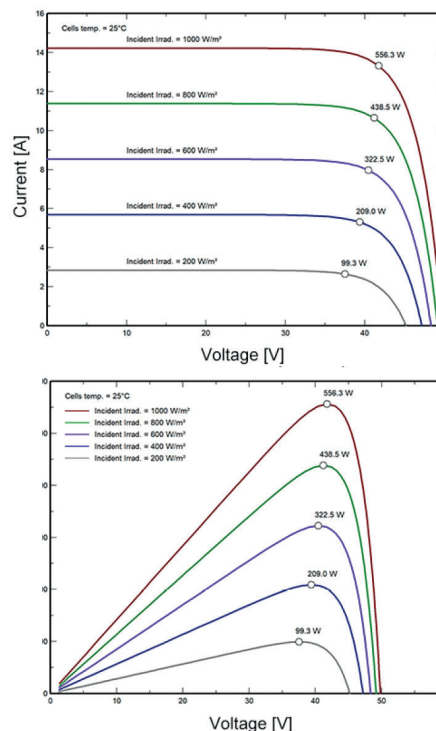
Especificaciones sujetas a cambios técnicos y pruebas.  
Exiom Solution se reserva el derecho de la correcta interpretación final.  
Specifications subject to technical changes and tests. Exiom Solution reserves the right of final interpretation.

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## I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C.  
Current-Voltage & Power Voltage Curve (550)



TIPO TYPE	EX540MB-144BF	EX545MB-144BF	EX550MB-144BF	EX555MB-144BF	EX560MB-144BF
STC 1000 W/M2. Module Temperature 25°C A.M.1,5					
Potencia de salida   Power output	540	545	550	555	560
Max. potencia tolerada   Max. power tolerance (%)	(0, +5)				
Eficiencia módulo   Module efficiency (%)	20.90	21.09	21.28	21.48	21.67
Voltage   Máximo voltage, VMP (V)	41.20	41.40	41.60	41.80	42.00
Intensidad máxima actual   Current, IMP (A)	13.11	13.17	13.23	13.28	13.33
Voltaje circ. abierto   Voltage open circuit, VOC (V)	49.40	49.60	49.80	50.00	50.20
Intensidad de cortocircuito   Short circuit current, ISC (A)	13.87	13.93	13.99	14.05	14.11
Electrical Characteristics With 10% Rear Side Power Gain					
Potencia de salida   Power output	591	597	602	608	613
Voltage   Máximo voltage, VMP (V)	41.20	41.40	41.60	41.80	42.00
Intensidad máxima actual   Current, IMP (A)	14.35	14.41	14.48	14.54	14.60
Voltaje circ. abierto   Voltage open circuit, VOC (V)	49.40	49.60	49.80	50.00	50.20
Intensidad de cortocircuito   Short circuit current, ISC (A)	14.96	15.04	15.12	15.19	15.27
NOCT 800W/M2 Environment. Temperature 20°C A.M. 1,5					
Potencia de salida   Power output	408	412	416	420	424
Voltage   Máximo voltage, VMP (V)	38.90	39.10	39.30	39.53	39.76
Intensidad máxima actual   Current, IMP (A)	10.49	10.54	10.58	10.62	10.66
Voltaje circ. abierto   Voltage open circuit, VOC (V)	46.68	46.92	47.17	47.44	47.71
Intensidad de cortocircuito   Short circuit current, ISC (A)	11.10	11.14	11.19	11.24	11.29
COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS					
Coeficiente de temp.   Temp. Coefficient (PMPP)	-0.35%/°C				
Coeficiente de temp.   Temp. Coefficient (ISC)	0.048%/°C				
Coeficiente de temp.   Temp. Coefficient (VOC)	-0.28%/°C				
NOCT	45±2°C				