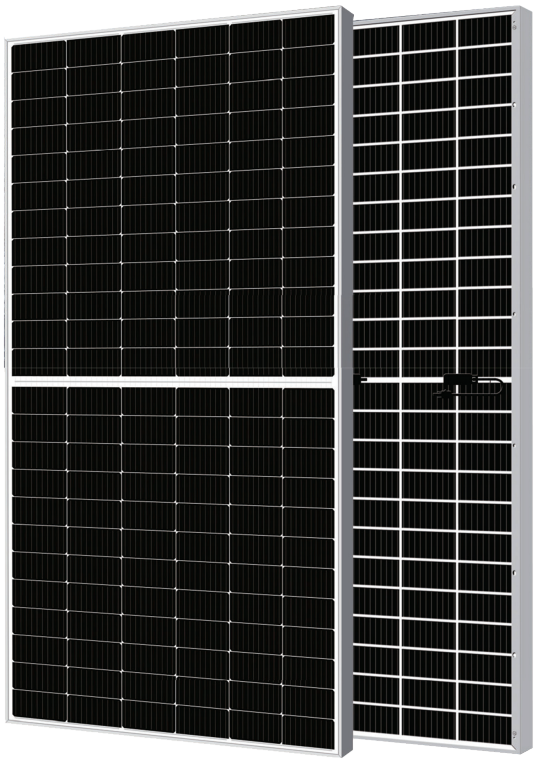
EX530-550M(B)-144(HC)(182)BF

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.



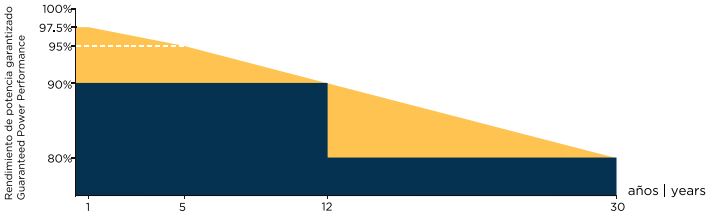
1 TIER Bloomberg NEW ENERGY FINANCE

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS	CONDICIONES DE TRABAJO WORKING CONDITIONS
Dimensiones | Dimensions: 2279 *1134mm	Max. Voltaje | Max. system Voltage (V): 1500
Peso | Weight: 32.5 kg	Max Series Fuse Rating: 25A
Cable: 4 mm2	Cap. Máx. de Carga | Max. Load Capacity: Snow 5400Pa/Wind 2400Pa
Celdas | Cells : 182*91 Mono	Temp. funcionamiento | Operating temperature: -40~+85
Cell orientation | Orientación celdas: 144 (6x24)	Clase de seguridad | Safety Class: II
Glass | Cristal: 2.0 mm heat strengthened glass	Bifacialidad Potencia | Power Bifaciality: 70±5%
Connector | Conector: MC4 compatible	Caja conexiones | Junction box: IP68,3 Bypass-Diode

GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY

Garantía de rendimiento lineal
Lineal performance waranty

Garantía de rendimiento estandar
Standard performance warranty



CERTIFIED IEC 61730 Ed.1
CERTIFIED IEC 61215 Ed.2
Anti-PID System voltage durability PPP 56042
MCS CE INMETRO

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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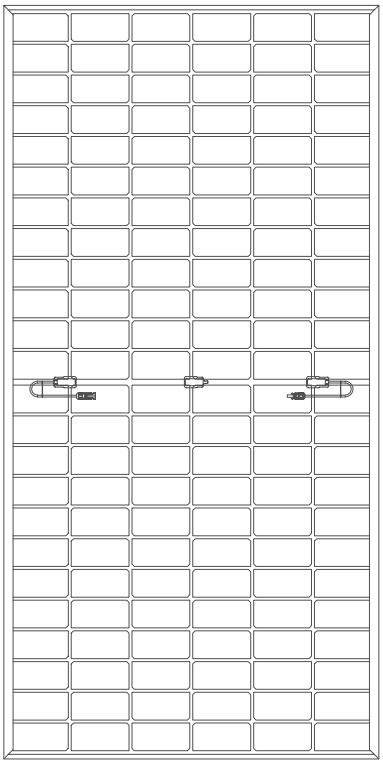
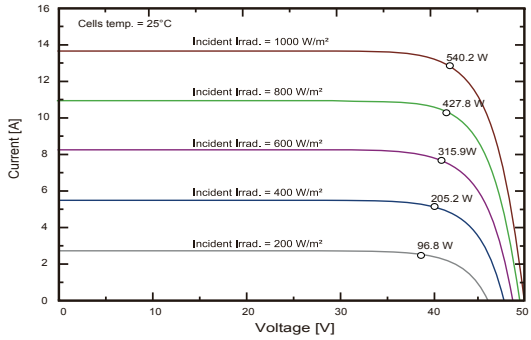
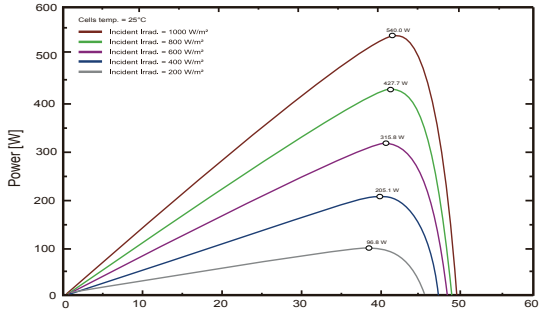


I-V CURVAS CURVES

Temperatura celdas | *Cells temperature:* 25ºC.
Current-Voltage & Power Voltage Curve (540)





TIPO TYPE	EX530MB-144BF	EX535MB-144BF	EX540MB-144BF	EX545MB-144BF	EX550MB-144BF
STC 1000 W/M2. Module Temperature 25ºC A.M.1,5					
Potencia de salida | Power output	530	535	540	545	550
Max. potencia tolerada | Max. power tolerance (%)			(0, +5)		
Eficiencia módulo | Module efficiency (%)	20.5	20.7	20.9	21.1	21.3
Voltage | Máximo voltage, VMP (V)	41.28	41.51	41.70	41.92	42.11
Intensidad máxima actual | Current, IMP (A)	12.84	12.89	12.95	13.00	13.06
Voltaje circ. abierto | Voltage open circuit, VOC (V)	49.61	49.87	49.95	50.04	50.28
Intensidad de cortocircuito | Short circuit current, ISC (A)	13.66	13.72	13.78	13.84	13.90
Electrical Characteristics With 10% Rear Side Power Gain					
Potencia de salida | Power output	583	589	594	600	605
Voltage | Máximo voltage, VMP (V)	41.28	41.51	41.70	41.92	42.11
Intensidad máxima actual | Current, IMP (A)	14.12	14.18	14.25	14.30	14.37
Voltaje circ. abierto | Voltage open circuit, VOC (V)	49.61	49.87	49.95	50.04	50.28
Intensidad de cortocircuito | Short circuit current, ISC (A)	15.03	15.09	15.16	15.22	15.29
NOCT 800W/M2 Environment. Temperature 20ºC A.M. 1,5					
Potencia de salida | Power output	407.16	411.01	414.85	418.69	422.53
Voltage | Máximo voltage, VMP (V)	37.62	37.83	38.01	38.21	38.39
Intensidad máxima actual | Current, IMP (A)	10.82	10.86	10.91	10.96	11.01
Voltaje circ. abierto | Voltage open circuit, VOC (V)	45.80	46.04	46.12	46.20	46.42
Intensidad de cortocircuito | Short circuit current, ISC (A)	11.61	11.66	11.72	11.77	11.82

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS	
Coeficiente de temp. | Temp. Coefficient (PMPP)	-0.35%/ºC
Coeficiente de temp. | Temp. Coefficient (ISC)	0.026%/ºC
Coeficiente de temp. | Temp. Coefficient (VOC)	-0.272%/ºC
NOCT	45±2ºC

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