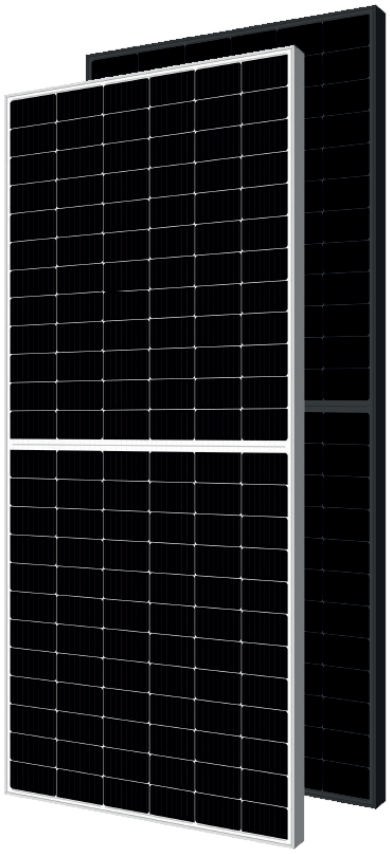
EX425-445M(B)-144(HC)(166)(9BB)

1 aniversario
desde 2009

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.

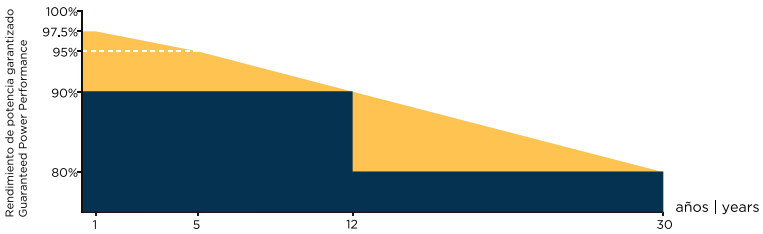


DATOS MECÁNICOS MECHANICAL DATA	CONDICIONES DE TRABAJO WORKING CONDITIONS
Dimensiones | Dimensions: 2108*1048mm / 2094*1038mm	Max. system voltage: 1500 V
Weight: 25 kg	Series fuse rating: 15 A
Cable | Cable: 4mm²	Mechanical load: 5400Pa
Glass: High Transmittance Glass 3.2mm	Operating temperature: -40~+85ºC
Junction box: IP68, 3 Bypass-Diode, 300mm in length	Aplication class: A
Connector: Compatible with MC 4 plug	

GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY

Garantía de rendimiento lineal
Garantía de rendimiento estandar

Lineal performance waranty
Standard performance warranty



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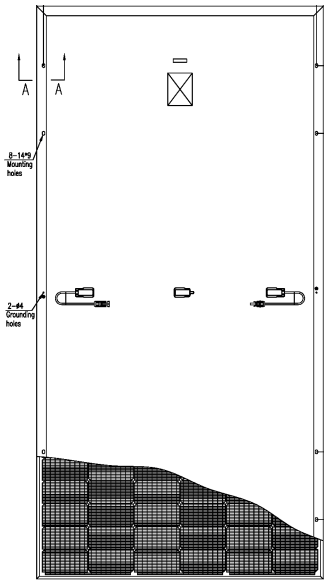
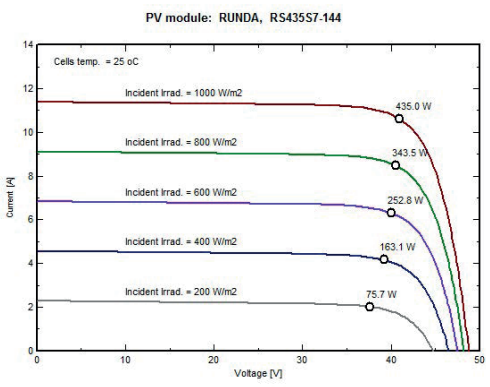


TIPO TYPE	EX425MB-144	EX430MB-144	EX435MB-144	EX440MB-144	EX445MB-144
STC 1000 W/M2. Module Temperature 25ºC A.M.1,5					
Potencia de salida | Power output	425	430	435	440	445
Max. potencia tolerada | Max. power tolerance (%)			+5		
Eficiencia módulo | Module efficiency (%)	19.1	19.3	19.6	19.8	20.0
Voltage | Máximo voltage, VMP (V)	40.52	40.72	40.89	41.09	41.28
Tensión máxima actual | Current, IMP (A)	10.49	10.56	10.64	10.71	10.78
Tensión circ. abierto | Voltage open circuit, VOC (V)	48.42	48.58	48.77	48.98	49.21
Corriente de cortocircuito | Short circuit current, ISC (A)	11.23	11.31	11.39	11.46	11.53
NOCT 800W/M2 Environment. Temperature 20ºC A.M. 1,5					
Potencia de salida | Power output	326.50	330.34	334.18	338.02	341.86
Voltage | Máximo voltage, VMP (V)	36.93	37.12	32.27	37.45	37.63
Tensión máxima actual | Current, IMP (A)	8.84	8.90	8.97	9.03	9.09
Tensión circ. abierto | Voltage open circuit, VOC (V)	44.71	44.85	45.03	45.22	45.43
Corriente de cortocircuito | Short circuit current, ISC (A)	9.55	9.62	9.68	9.74	9.80
COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS					
Coeficiente de temp. | Temp. Coefficient (PMAX)			-0.381%/ºC		
Coeficiente de temp. | Temp. Coefficient (ISC)			0.046%/ºC		
Coeficiente de temp. | Temp. Coefficient (VOC)			-0.276%/ºC		
NOCT			45±2ºC		

I-V CURVAS CURVES

Temperatura celdas | *Cells temperature:* 25ºC. Current-Voltage & power Voltage Curve (435)