

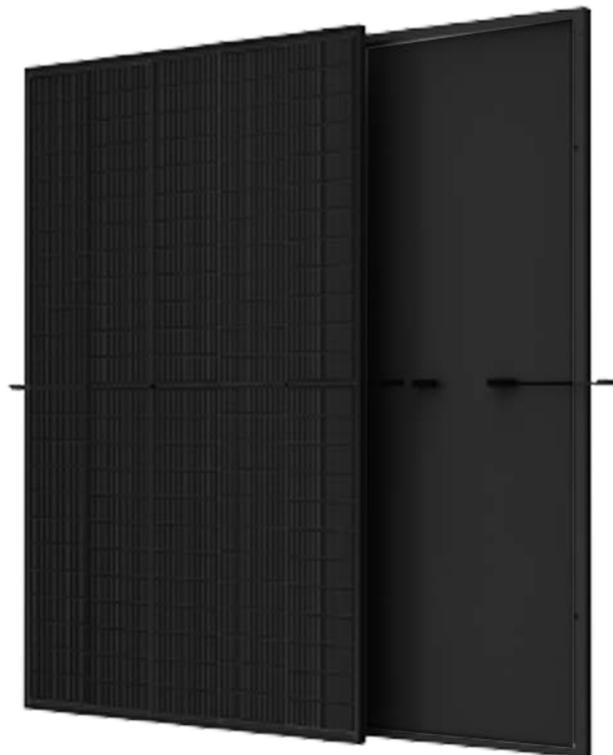


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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.*

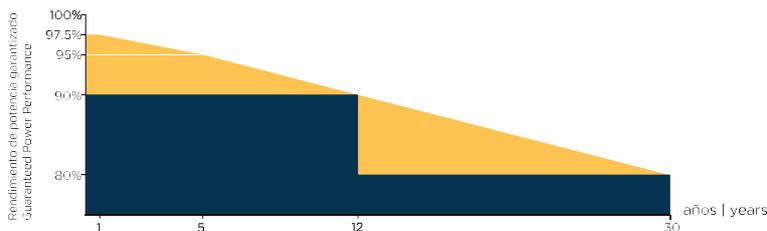


#### DATOS MECÁNICOS & CONDICIONES DE TRABAJO MECHANICAL SPECIFICATIONS & WORKING CONDITIONS

Dimensiones   Dimensions: 1762*1134*30mm	Max. Voltaje   Max. system Voltage (V): 1500
Peso   Weight: 21.8 kg	No máximo. de series   Max. Series Fuse Rating (A): 20
Cable: 4.0mm <sup>2</sup> , 1200 mm length can be customized	Cristal   Glass: 3.2 mm, High Transmission, AR Coated Heat Strengthened Glass
Nº Celdas   Nº Cells: 144 cells	Carga mecánica   Mechanical load: ≥ 5400Pa
Trasera   Backsheet: Black	Material encapsulado   Encapsulant material: EVA/POE
Caja de conexiones   Junction box: IP 68 Rated	Aplicación clase   Application class: A
Conector   Connector: MC4 EVO2 / TS4	Temp. funcionamiento   Operating temperature: -40~+85°C

#### GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY

■ Garantía de rendimiento lineal / Lineal performance warranty  
■ Garantía de rendimiento estándar / Standard performance warranty



CERTIFIED  
**IEC**  
61730 Ed.1

CERTIFIED  
**IEC**  
61215 Ed.2



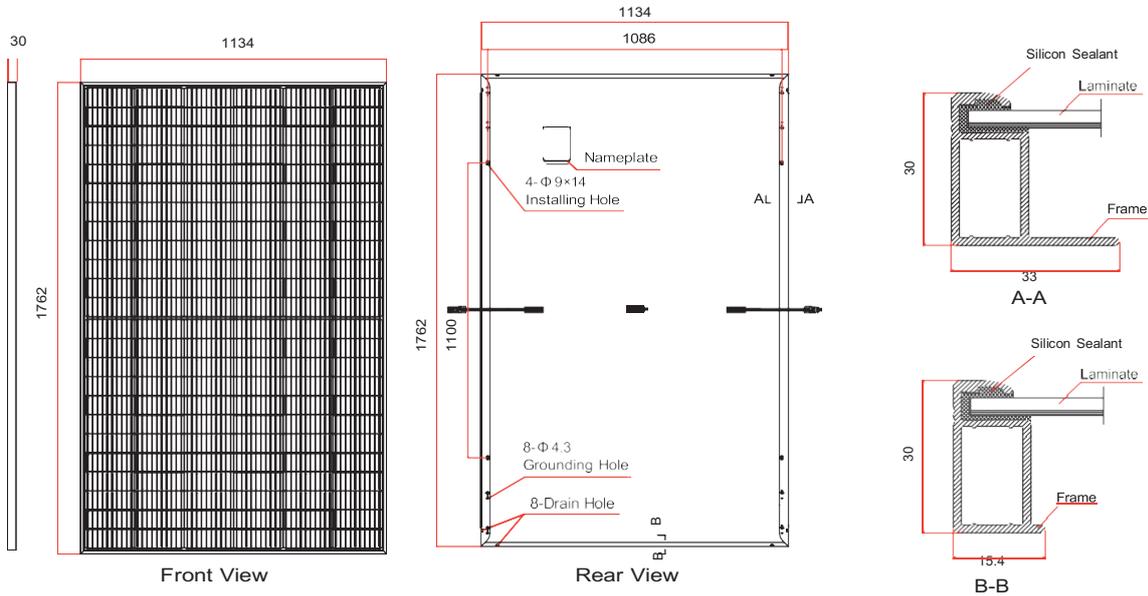
Anti-PID  
System voltage durability  
PPP 56042



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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# EX405-425M(B)-144 (210\*182)



TIPO TYPE	EX405MB-144	EX410MB-144	EX415MB-144	EX420MB-144	EX425MB-144
STC 1000 W/M2. Module Temperature 25°C A.M. 1.5					
Potencia de salida   Power output	405	410	415	420	425
Max. potencia tolerada   Max. power tolerance (%)	0 ~ +5				
Eficiencia modulo   Module Efficiency (%)	20.3	20.5	20.8	21.0	21.3
Voltage   Máximo voltage, VMP (V)	40.6	40.8	41.0	41.3	41.5
Intensidad máxima actual   Current, IMP (A)	9.99	10.05	10.11	10.17	10.24
Voltaje circ. abierto   Voltage open circuit, VOC (V)	49.0	49.2	49.4	49.7	49.9
Intensidad de cortocircuito   Short circuit current, ISC (A)	10.52	10.58	10.64	10.69	10.74
NOCT 800W/M2 Environment. Temperature 20°C A.M. 1.5					
Potencia de salida   Power output	306	310	313	317	321
Voltage   Máximo voltage, VMP (V)	38.2	38.3	38.5	38.8	39.1
Intensidad máxima actual   Current, IMP (A)	8.03	8.08	8.13	8.17	8.21
Voltaje circ. abierto   Voltage open circuit, VOC (V)	46.1	46.3	46.5	46.7	46.9
Intensidad de cortocircuito   Short circuit current, ISC (A)	8.48	8.53	8.58	8.62	8.66
<b>COEFICIENTES DE TEMPERATURA   TEMPERATURE COEFFICIENTS</b>					
Coefficiente de temp.   Temp. Coefficient (P <sub>MAX</sub> )	-0.34%/°C				
Coefficiente de temp.   Temp. Coefficient (ISC)	0.04%/°C				
Coefficiente de temp.   Temp. Coefficient (VOC)	-0.25%/°C				
NOCT	43°C (±2°C)				

## I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & power Voltage Curve (410)

