

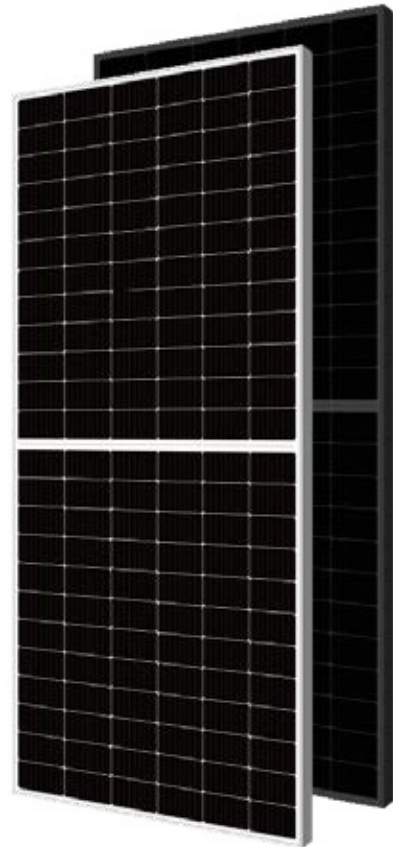


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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.



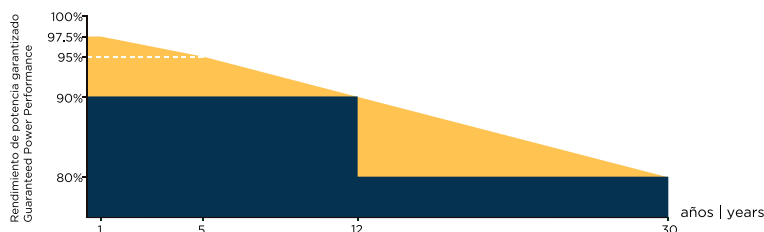
1 **Bloomberg**
TIER NEW ENERGY FINANCE

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones Dimensions: 2112*1052mm / 2094*1038mm	Max. voltaje Max. system voltage: 1000-1500V
Peso Weight: 25 kg	No máximo. de series Series fuse rating: 20 A
Cable: 4.0mm ²	Carga mecánica Mechanical load: 5400Pa/2400Pa
Cristal Glass: High Transmittance Glass 3.2mm	Temp. de funcionamiento Operating temperature: -40~+85°C
Caja de conexiones Junction box: IP68, 3 Bypass-Diode	Aplicación clase Application class: A
Celdas Cells: 144(6*24) - Mono 83×166 mm	Conector: Connector: Compatible with MC 4 plug

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



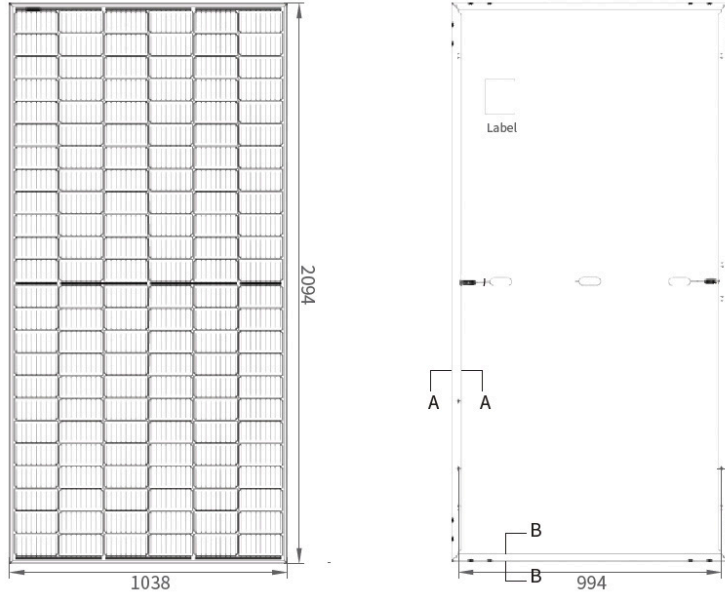
Anti-PID
System voltage durability
PPP 56042



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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EX445-465M(B)-144(HC)(166)



TIPO TYPE	EX445M(144)166	EX450M(144)166	EX455M(144)166	EX460M(144)166	EX465M(144)166
STC 1000 W/M2. Module Temperature 25°C A.M.1.5					

Potencia de salida Power output	445	450	455	460	465
Max. potencia tolerada Max. power tolerance (%)	(0-+5)				
Eficiencia módulo Module efficiency (%)	20.5	20.7	20.9	21.2	21.5
Voltage Máximo voltage, VMP (V)	41.2	41.4	41.6	41.8	42.0
Intensidad máxima actual Current, IMP (A)	10.82	10.87	10.94	11.01	11.08
Voltaje circ. abierto Voltage open circuit, VOC (V)	49.8	50.0	50.2	50.4	50.6
Intensidad de cortocircuito Short circuit current, ISC (A)	11.37	11.44	11.51	11.58	11.65

NOCT 800W/M2 Environment. Temperature 20°C A.M. 1.5					
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Potencia de salida Power output	335.43	339.50	343.59	347.70	351.80
Voltage Máximo voltage, VMP (V)	38.6	38.8	39.0	39.2	39.4
Intensidad máxima actual Current, IMP (A)	8.69	8.75	8.81	8.87	8.93
Voltaje circ. abierto Voltage open circuit, VOC (V)	46.4	46.6	46.8	47.0	47.2
Intensidad de cortocircuito Short circuit current, ISC (A)	9.22	9.28	9.34	9.40	9.46

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coeficiente de temp. Temp. Coefficient (P _{MAX})	-0.35%/°C
Coeficiente de temp. Temp. Coefficient (ISC)	0.048%/°C
Coeficiente de temp. Temp. Coefficient (VOC)	-0.27%/°C
NOCT	41±3°C

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & power Voltage Curve (440)

