



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: 2094*1038*30mm

Max. voltaje | Max. system voltage: 1500V

Peso | Weight: 25 kg

No máximo. de series | Series fuse rating: 20 A

Cable: 4.0mm²

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

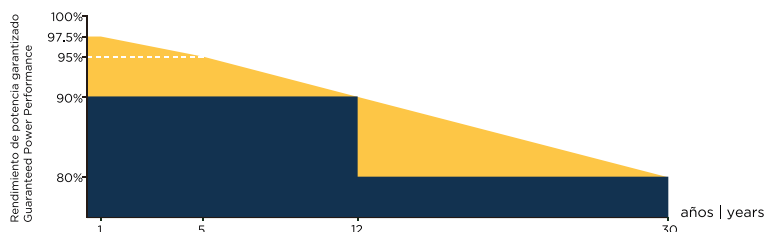
Celdas | Cells: 144(6*24) - Mono 83*166 mm

Conector: Connector: Compatible with MC 4 plug

12Years Enhanced Product Warranty on Materials and Workmanship
25Years Linear Power 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



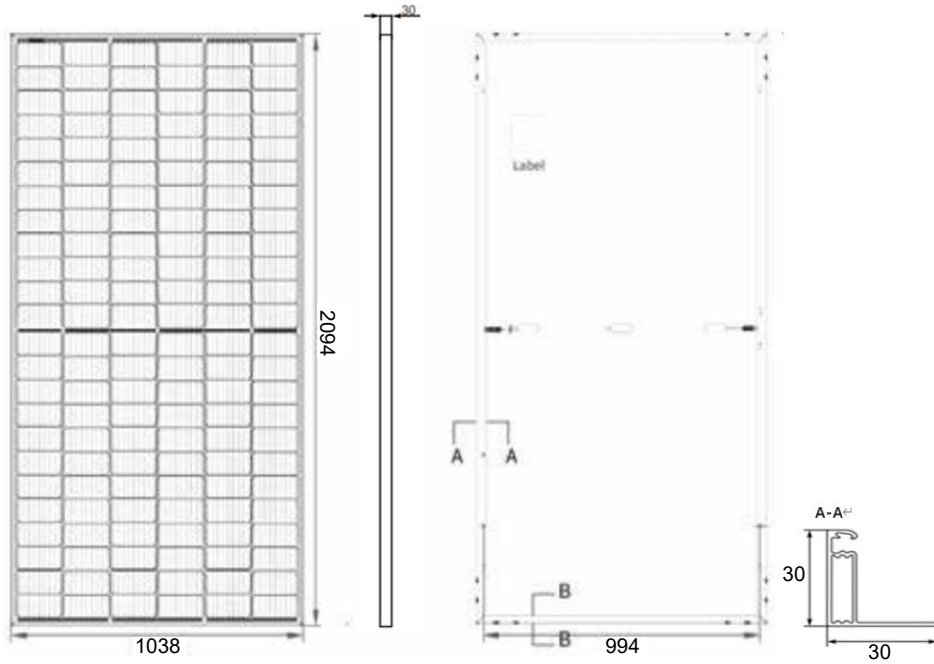
Anti-PID
System voltage durability
PPP 56042



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					
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				

Packaging Configuration: 36pcs/Pallet (11big pallets+4pcs/carton/big pallet)
836pcs/40HQ Container

I-V CURVAS CURVES

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

