



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 & CONDICIONES DE TRABAJO

#### MECHANICAL SPECIFICATIONS & WORKING CONDITIONS

Dimensiones | Dimensions: 2100mm\*1134mm

Max. Voltaje | Max. system Voltage (V): 1500VDC (IEC)

Peso | Weight: 29.5 kg

No máximo. de series | Max. Series Fuse Rating (A): 25

Nº Celdas y conexiones | Nº Cells & connections: 132[2x(11 x 6)]

Carga mecánica | Mechanical load: Snow 5400Pa/Wind 2400Pa

Celdas | Cells: 182\*91 mono

Temp. funcionamiento | Operating temperature: -40-+85

Conector | Connector : MC4 compatible

Factor bifacial | Bifacial Factor(%): 70±5

Caja Conexión | Junction Box: IP68, 3 Bypass-Diode

Clase seguridad | Safety Class: II

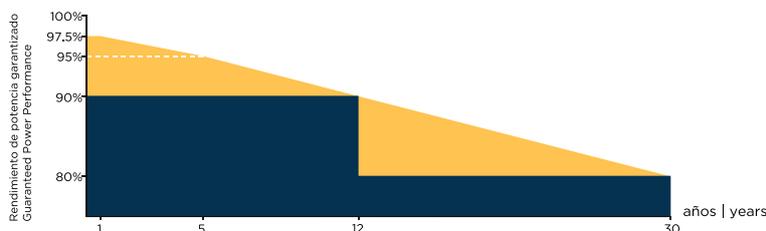
Cable: 4 mm2

Cristal | Glass: 2.0mm heat strengthened glass

#### 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



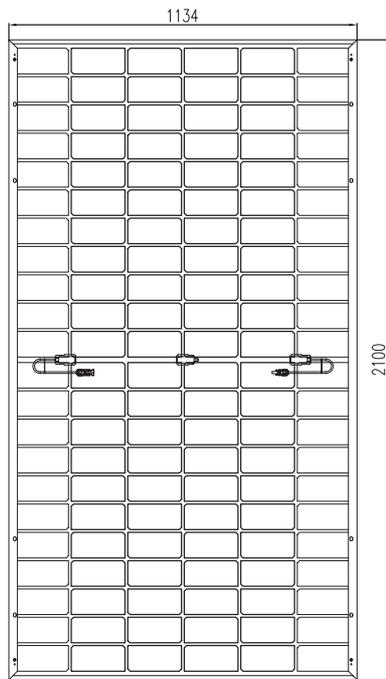
Anti-PID  
System voltage durability  
PPP 56042



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.

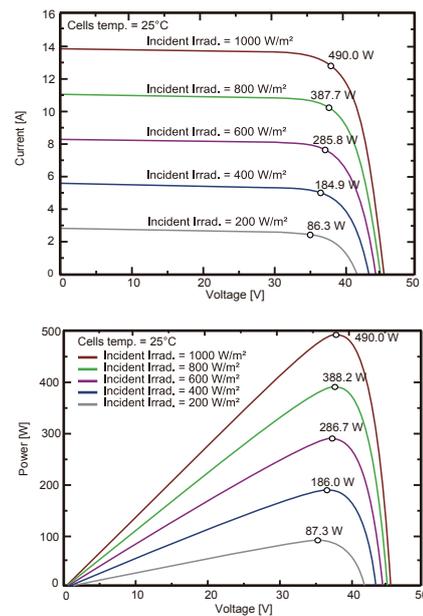
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# EX480-500M(B)-132(HC)(182)BF



## I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C.  
Current-Voltage & Power Voltage Curve (490)



TIPO TYPE	EX480MB-132BF	EX485MB-132BF	EX490MB-132BF	EX495MB-132BF	EX500MB-132BF
STC 1000 W/M2. Module Temperature 25°C A.M.1,5					
Potencia de salida   Power output	480	485	490	495	500
Max. potencia tolerada   Max. power tolerance (%)	(0, +5)				
Eficiencia módulo   Module efficiency (%)	20.2	20.4	20.6	20.8	21.0
Voltaje máximo   Max. voltage, VMP (V)	37.65	37.83	38.04	38.25	38.43
Intensidad máxima actual   Current, IMP (A)	12.75	12.82	12.88	12.94	13.01
Voltaje circ. abierto   Voltage open circuit, VOC (V)	45.12	45.38	45.62	45.87	45.98
Intensidad cortocircuito   Short circuit current, ISC (A)	13.64	13.70	13.76	13.81	13.87
REAR SIDE POWER GAIN					
Máxima potencia   Maximum power (Pmax) (W)	528	534	539	545	550
Voltaje máximo   Max. voltage, VMP (V)	37.65	37.83	38.04	38.25	38.43
Intensidad máxima actual   Current, IMP (A)	14.03	14.10	14.17	14.23	14.31
Voltaje circ. abierto   Voltage open circuit, VOC (V)	45.12	45.38	45.62	45.87	45.98
Intensidad cortocircuito   Short circuit current, ISC (A)	15.00	15.07	15.14	15.19	15.26
NOCT 800W/M2 Environment. Temperature 20°C A.M. 1,5					
Potencia de salida   Power output	368.75	372.59	376.43	380.28	384.12
Voltaje máximo   Max. voltage, VMP (V)	34.32	34.48	34.38	34.87	35.03
Intensidad máxima actual   Current, IMP (A)	10.75	10.81	10.86	10.91	10.97
Voltaje circ. abierto   Voltage open circuit, VOC (V)	41.66	41.90	42.12	42.35	42.45
Intensidad cortocircuito   Short circuit current, ISC (A)	11.60	11.65	11.70	11.74	11.79
COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS					
Coeficiente de temp.   Temp. Coefficient (PMAX)	-0.35%/°C				
Coeficiente de temp.   Temp. Coefficient (ISC)	0.026%/°C				
Coeficiente de temp.   Temp. Coefficient (VOC)	-0.272%/°C				
NOCT	45±2°C				