




**480-500 W  
Perc**

-  **182 mm bifacial half cell**
-  **2.100 x 1.134 mm**
-  **29.5 kg**

### DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones   Dimensions: 2100*1134mm	Max. Voltaje   Max. system Voltage (V): 1500VDC (IEC)
Peso   Weight: 29.5 kg	No máximo. de series   Max. Series Fuse Rating (A): 30
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	
Conector   Connector : MC4 compatible	Factor bifacial   Bifacial Factor(%): 70±5
Caja Conexión   Junction Box: IP68, 3 Bypass-Diode	Clase seguridad   Safety Class:
Cable: 4 mm2	Cristal   Glass: 2.0mm heat strengthened glass

## Warranty | Garantía

**25**

Years | Años  
Product  
Producto

**30**

Years | Años  
Linear power  
Rendimiento lineal

**1**  
TIER

**Bloomberg**  
NEW ENERGY FINANCE

CERTIFIED  
**IEC**  
61730 Ed.1

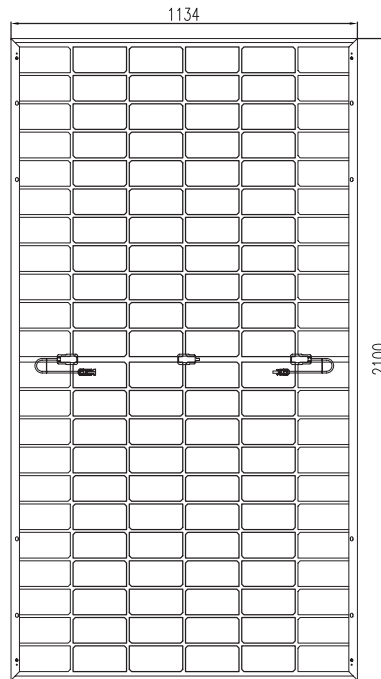
CERTIFIED  
**IEC**  
61215 Ed.2

✓ **Anti-PID**  
System voltage durability  
PPP 56042

MCS

CE

INMETRO



TIPO TYPE	EX480MB-182BF		EX485MB-182BF		EX490MB-182BF		EX495MB-182BF		EX500MB-182BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida   Power output	480	368.75	485	372.59	490	376.43	495	380.28	500	384.12
Voltaje circ. abierto   Voltage open circuit, VOC (V)	45.12	41.66	45.38	41.90	45.62	42.12	45.87	42.35	45.98	42.45
Intensidad cortocircuito   Short circuit current, ISC (A)	13.64	11.60	13.70	11.65	13.76	11.70	13.81	11.74	13.87	11.79
Voltaje máximo   Max. voltage, VMP (V)	37.65	34.32	37.83	34.48	38.04	34.38	38.25	34.87	38.43	35.03
Intensidad máxima actual   Current, IMP (A)	12.75	10.75	12.82	10.81	12.88	10.86	12.94	10.91	13.57	10.97
Modulo eficiencia   Module Efficiency (%)	20.2		20.4		20.6		20.8		21.0	
Max. potencia tolerada   Max. power tolerance (%)	(0,+5)									
Max. system Voltage (V)	1.500Vdc (IEC/UL)									
Maximum Series Fuse Rating (A)	25A									

STC 1000 W/M2. Module Temperature 25°C A.M.1,5 | NOCT 800W/M2 Environment. Temperature 20°C A.M. 1,5

COEFICIENTES DE TEMPERATURA   TEMPERATURE COEFFICIENTS		BIFACIAL SALIDA BIFACIAL OUTPUT REAR SIDE POWER GAIN					
Coefficiente de temp.   Temp. Coefficient (P <sub>MAX</sub> )	-0.353%/°C	Maximum Power- P <sub>max</sub> (W)	528	534	539	545	550
Coefficiente de temp.   Temp. Coefficient (ISC)	0.026%/°C	Open Circuit Voltage - Voc (V)	45.12	45.38	45.62	45.87	45.98
Coefficiente de temp.   Temp. Coefficient (VOC)	-0.272%/°C	Short- Circuit Current - I <sub>sc</sub> (A)	15.00	15.07	15.14	15.19	15.26
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)	Voltage at P <sub>max</sub> -V <sub>mp</sub> (V)	37.65	37.83	38.04	38.25	38.43
Operating Temperature	-40~+85°C	Current at P <sub>max</sub> - Imp (A)	14.03	14.10	14.17	14.23	14.31

### I-V CURVAS CURVES

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

