




**645-665 W
Perc**

-  **210 mm bifacial half cell**
-  **2.384 x 1.303 mm**
-  **38 kg**

DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensiones Dimensions: 2384mm*1303mm	Max. Voltaje Max. system Voltage (V): 1500VDC (IEC)
Peso Weight: 38 kg	No máximo. de series Max. Series Fuse Rating (A): 35
Nº Celdas y conexiones Nº Cells & conections: 132[2x(11 x 6)]	Carga mecánica Mechanical load: Snow 5400Pa/Wind 2400Pa
Celdas Cells: 210*105 mono	Cable: 4 mm ²
Conector Connector : MC4 compatible	Factor bifacial Bifacial Factor(%): 70±5
Caja Conexión Junction Box: IP68, 3 Bypass-Diode	Clase seguridad Safety Class:
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

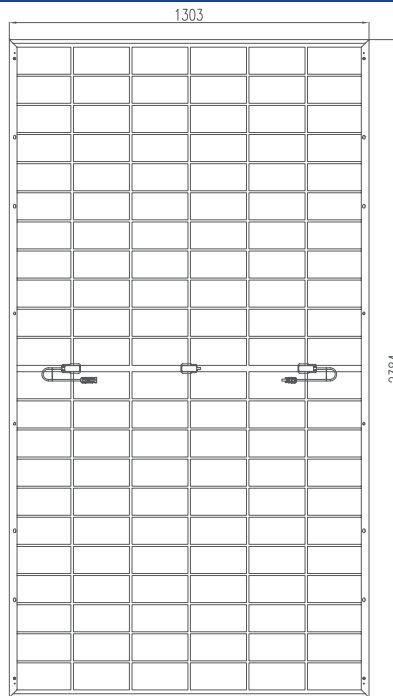
CERTIFIED
IEC
61215 Ed.2

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

MCS

CE

INMETRO



TIPO TYPE	EX645MB-210BF		EX650MB-210BF		EX655MB-210BF		EX660MB-210BF		EX665MB-210BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida Power output	645	495.51	650	499.35	655	503.19	660	507.03	665	510.88
Voltaje circ. abierto Voltage open circuit, VOC (V)	45.50	42.01	45.68	42.18	45.87	42.35	46.03	42.50	46.24	42.69
Intensidad cortocircuito Short circuit current, ISC (A)	18.58	15.80	18.63	15.84	18.68	15.88	18.73	15.92	19.78	15.97
Voltaje máximo Max. voltage, VMP (V)	37.52	34.20	37.72	34.39	37.91	34.55	38.08	34.71	38.28	34.90
Intensidad máxima actual Current, IMP (A)	17.19	14.49	17.23	14.52	17.28	14.56	17.33	14.61	17.37	14.64
Modulo eficiencia Module Efficiency (%)	20.8		20.9		21.1		21.2		21.4	
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
Coeficiente de temp. Temp. Coefficient (P _{MAX})	Maximum Power- P _{max} (W)
Coeficiente de temp. Temp. Coefficient (ISC)	Open Circuit Voltage - Voc (V)
Coeficiente de temp. Temp. Coefficient (VOC)	Short- Circuit Current - I _{sc} (A)
Nominal Operating Cell Temp. (NOCT)	Voltage at P _{max} -V _{mp} (V)
Operating Temperature	Current at P _{max} - Imp (A)

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25t-Voltage & Power Voltage Curve (665)

