



EX510-530TC(B)-132(HC)(182)

510-530 W Topcon N-Type

 182 mm mono half cell

 2.094 x 1.134 mm

 26.9 kg



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

The N-Type module with hot 2.0 technology has better reliability and lower LID/LETID.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Warranty | Garantía



Years | Años
Product
Producto



Years | Años
Linear power
Rendimiento lineal



Bloomberg

NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

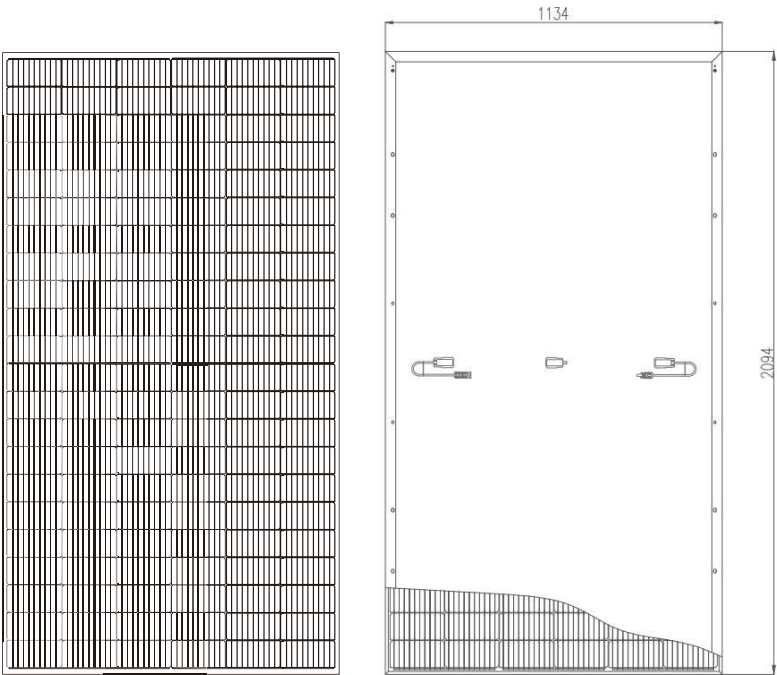


Anti-PID
System voltage durability
PPP 56042



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Especificaciones sujetas a cambios técnicos y pruebas.
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Specifications subject to technical changes and tests.
Exiom Solution reserves the right of final interpretation.



DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 2094*1134

N° of cells: 132 2x(11x6)

Cells: N type Mono-crystalline

Front Glass: AR Coated 3.2mm tempered glass

Weight: 26.9kg

Junction Box: IP68 (3 diodes)

Frame: Anodized aluminum alloy

Cable: 4mm2

Front load: 5400Pa

Real Load: 2400Pa

TIPO TYPE	EX510TC-132HC		EX515TC-132HC		EX520TC-132HC		EX525TC-132HC		EX530TC-132HC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida Maximum Power	510	388	515	392	520	395	525	399	530	403
Voltaje máximo Max. voltage, VMP (V)	46.83	44.20	47.07	44.40	47.33	44.80	47.57	45.00	47.81	45.20
Intensidad máxima actual Current, IMP (A)	13.96	11.30	14.02	11.34	14.10	11.39	14.16	11.44	14.22	11.49
Voltaje circ. abierto Voltage open circuit, VOC (V)	39.42	36.50	39.65	36.70	39.84	36.90	40.04	37.10	40.24	37.30
Intensidad cortocircuito Short circuit current, ISC (A)	12.94	10.63	12.99	10.68	13.05	10.71	13.11	10.76	13.17	10.81
Modulo eficiencia Module Efficiency (%)	21.47		21.69		21.90		22.11		22.32	
Max. potencia tolerada Max. power tolerance (W)					0~+5%					
Max. system Voltage (V)					1000/1500VDC (IEC)					
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

Coeficiente de temp. Temp. Coefficient (P _{MAX})	-0.29%/°C
Coeficiente de temp. Temp. Coefficient (ISC)	0.045%/°C
Coeficiente de temp. Temp. Coefficient (VOC)	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40~+85°C

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (530)

