

exiom EX470-490TC(B)-120(HC)(182)

470-490 W

Topcon N-Type

 182 mm mono half cell

 1.909 x 1.134 mm

 25.9 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



25 **Years | Años**
Product
Producto



30 **Years | Años**
Linear power
Rendimiento lineal



Bloomberg
NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

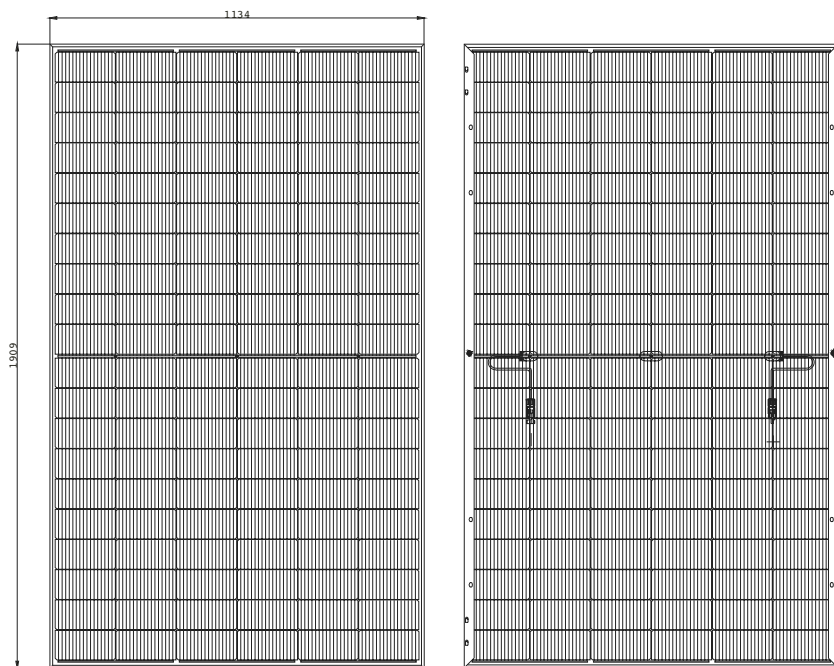
 **Anti-PID**
System voltage durability
PPP 56042



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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.

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DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

- Dimensions: 1909*1134mm
- Nº of cells: 16BB 182mm (2x60pcs)
- Cells: N type Mono-crystalline
- Front glass: AR Coated 3.2 mm tempered glass
- Connector: MC4 Compatible
- Weight: 25.9 kg
- Junction Box: IP68 Rated
- Frame: Anodized aluminum alloy
- Cable: 4mm²
- Front load: 5400Pa
- Real Load: 2400Pa
- Laminate Structure: Glass/ POE/ Cells/ POE/Backsheet

TIPO TYPE	EX470TC-120		EX475TC-120		EX480TC-120		EX485TC-120		EX490TC-120	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida Maximum Power	470	353	475	357	480	361	485	365	490	369
Voltaje máximo Max. voltage, VMP (V)	42.38	40.25	42.54	40.41	42.71	40.57	42.88	40.73	43.05	40.89
Intensidad máxima actual Current, IMP (A)	14.15	11.42	14.23	11.49	14.31	11.55	14.39	11.61	14.47	11.67
Voltaje circ. abierto Voltage open circuit, VOC (V)	35.05	32.94	35.21	33.10	35.38	33.27	35.54	33.44	35.70	33.61
Intensidad cortocircuito Short circuit current, ISC (A)	13.41	10.73	13.49	10.79	13.57	10.85	13.65	10.91	13.73	10.97
Modulo eficiencia Module Efficiency (%)	21.71		21.94		22.17		22.40		22.63	
Max. potencia tolerada Max. power tolerance (W)	0~+3%									
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

Coefficiente de temp. Temp. Coefficient (P _{MAX})	-0.29%/°C
Coefficiente de temp. Temp. Coefficient (ISC)	0.045%/°C
Coefficiente de temp. Temp. Coefficient (VOC)	-0.225%/°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 (490)

