

exiom

EX450-475TC(B)-108(HC)(186)

450-475 W Topcon N-Type

 96 mm mono half cell

 1.762 x 1.134 mm

 24 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

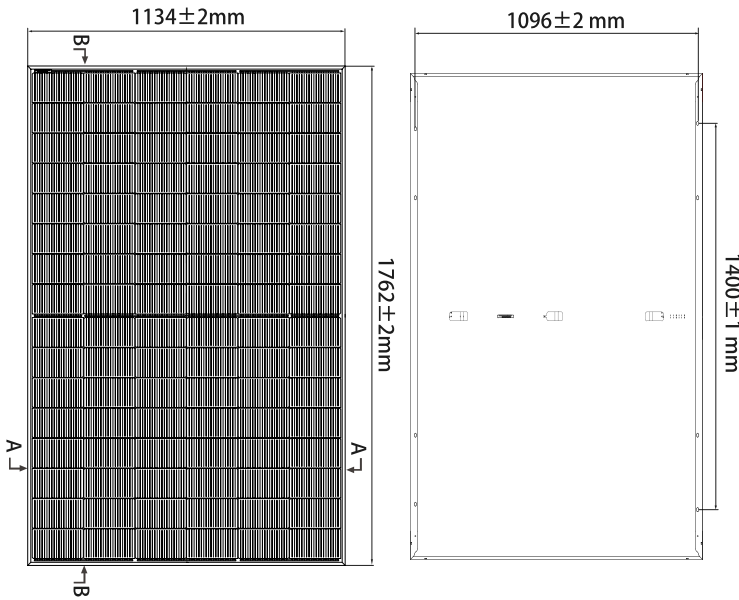


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Especificaciones sujetas a cambios técnicos y pruebas.
Exiom Solution se reserva el derecho de la correcta interpretación final.
Specifications subject to technical changes and tests.
Exiom Solution reserves the right of final interpretation.

TIPO TYPE	EX450TC-186HC	EX455TC-186HC	EX460TC-186HC	EX465TC-186HC	EX470TC-186HC	EX475TC-186HC
PERFORMANCE AT STC (POWER TOLERANCE 0-+5W)						
Potencia de salida Maximum Power	450	455	460	465	470	475
Voltaje máximo Max. voltage, VMP (V)	30.25	30.48	30.71	30.94	31.17	31.40
Intensidad máxima actual Current, IMP (A)	14.88	14.93	14.98	15.03	15.08	15.13
Voltaje circ. abierto Voltage open circuit, VOC (V)	36.04	36.21	36.38	36.55	36.72	36.89
Intensidad cortocircuito Short circuit current, ISC (A)	15.81	15.86	15.91	15.96	16.01	16.06
Modulo eficiencia Module Efficiency (%)	22.52	22.77	23.02	23.27	23.52	23.77
PERFORMANCE AT NOCT						
Potencia de salida Maximum Power	338,43	342,37	345,56	349,50	353,44	357,38
Voltaje máximo Max. voltage, VMP (V)	28,74	28,95	29,17	29,39	29,61	29,83
Intensidad máxima actual Current, IMP (A)	12,01	12,06	12,09	12,14	12,17	12,22
Voltaje circ. abierto Voltage open circuit, VOC (V)	33,51	33,63	33,75	33,88	34,00	34,12
Intensidad cortocircuito Short circuit current, ISC (A)	12,78	12,84	12,89	12,95	13,00	13,05
Max. potencia tolerada Max. power tolerance (W)	0-+3%					
Max. system Voltage (V)	1500VDC (IEC/UL) DC					
Maximum Series Fuse Rating (A)	30A					

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NOCT: Irradiance 800W/m², Ambient Temperature 25°C, Wind Speed 1m/s



DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 1762*1134mm

N° of cells: 96 (48x2)

Cells: N type Mono-crystalline

Front glass: 2.0 mm, Anti-reflection Coating

Back glass: 2.0 mm, Heat Strengthened Glass

Connector: JK03M/JK03M2/Others*

Weight: 24 kg

Junction Box: IP68 Rated

Frame: Anodized aluminum alloy

Cable: 4mm² (+): 400 mm, (-): 200 mm or Customized Length

Protection: Class Class II

IEC Fire Type: Class C

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coeficiente de temp. Temp. Coefficient (P _{MAX})	-0.29%/°C
Coeficiente de temp. Temp. Coefficient (I _{SC})	0.045%/°C
Coeficiente de temp. Temp. Coefficient (V _{OC})	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40-+70°C

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (460)

