

exiom EX470-500TC(B)-120(HC)(182)

470-500 W

Topcon N-Type

 182 mm mono half cell

 1.909 x 1.134 mm

 22.5 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

1
TIER

Bloomberg
NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

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



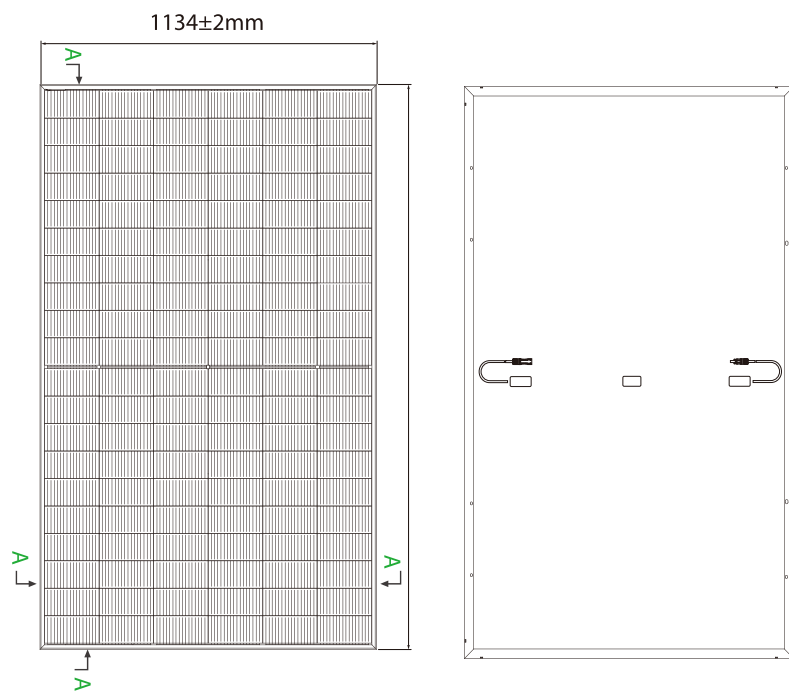
HEAD OFFICE: C/ SAN FRANCISCO, 5 - 5. 33003. OVIEDO
PHONE: +34 984 033 709 WWW.EXIOMSOLUTION.COM

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Specifications subject to technical changes and tests.
Exiom Solution reserves the right of final interpretation.

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TIPO TYPE	EX470TC-120HC	EX475TC-120HC	EX480TC-120HC	EX485TC-120HC	EX490TC-120HC	EX495TC-120HC	EX500TC-120HC
PERFORMANCE AT STC (POWER TOLERANCE 0-+5W)							
Potencia de salida Maximum Power	470	475	480	485	490	495	500
Voltaje máximo Max. voltage, VMP (V)	35,7	35,88	36,06	36,25	36,43	36,62	36,79
Intensidad máxima actual Current, IMP (A)	13,17	13,24	13,31	13,38	13,45	13,52	13,59
Voltaje circ. abierto Voltage open circuit, VOC (V)	43,3	43,45	43,6	43,76	43,91	44,07	44,21
Intensidad cortocircuito Short circuit current, ISC (A)	13,69	13,77	13,85	13,93	14,01	14,09	14,17
Modulo eficiencia Module Efficiency (%)	21.74	21.98	22.21	22.44	22.67	22.90	23.17
PERFORMANCE AT NOCT							
Potencia de salida Maximum Power	353,40	357,16	360,92	364,68	368,44	372,20	375,96
Voltaje máximo Max. voltage, VMP (V)	33,60	33,77	33,94	34,12	34,29	34,47	34,63
Intensidad máxima actual Current, IMP (A)	10,526	10,57	10,63	10,68	10,74	10,80	10,85
Voltaje circ. abierto Voltage open circuit, VOC (V)	41,13	41,27	41,41	41,57	41,71	41,86	41,99
Intensidad cortocircuito Short circuit current, ISC (A)	11,05	11,12	11,18	11,25	11,31	11,38	11,44
Max. potencia tolerada Max. power tolerance (W)	0~+3%						
Max. system Voltage (V)	1000/1500VDC (IEC/UL)						
Maximum Series Fuse Rating (A)	25A						

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: 1909*1134mm

Nº of cells: 120 (60x2)

Cells: N type Mono-crystalline

Front glass: 3.2mm, anti-reflection coating, high transmission, low iron, tempered glass

Connector: MC4 Compatible

Weight: 22.5 kg

Junction Box: IP68 Rated

Frame: Anodized aluminum alloy

Cable: 4mm² (+): 400 mm, (-) 200 mm or customized length

Front load: 5400Pa

Real Load: 2400Pa

Protection class: Class II

IEC Fire Type: Class C

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

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

