

exiom

EX585-605TC(B)-144(HC)(182)

585-605 W Topcon N-Type

 182 mm mono half cell

 2.278 x 1.134 mm

 28 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.

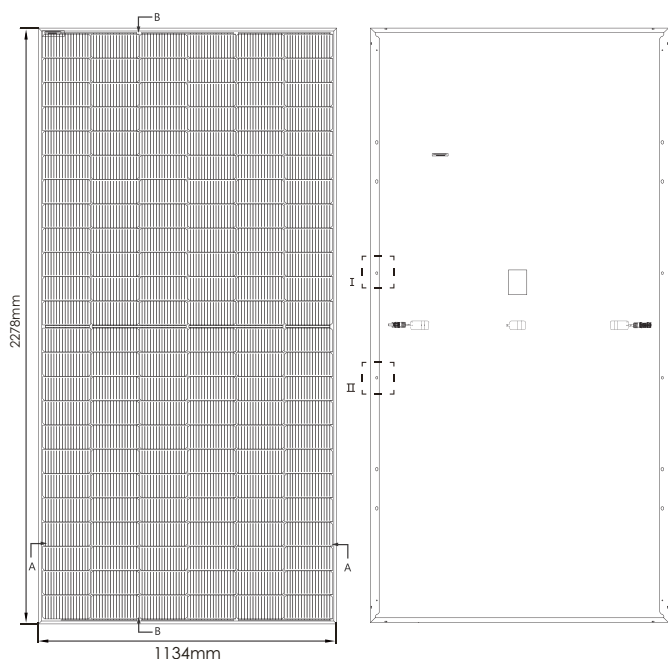
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EX585-605TC(B)-144(HC)(182)

TIPO TYPE	EX585TC-144HC	EX590TC-144HC	EX595TC-144HC	EX600TC-144HC	EX605TC-144HC	
PERFORMANCE AT STC (POWER TOLERANCE 0-+5W)						
Potencia de salida Maximum Power	585	590	595	600	605	
Voltaje circ. abierto Voltage open circuit, VOC (V)	51.52	51.63	51.74	51.85	51.95	
Intensidad cortocircuito Short circuit current, ISC (A)	14.30	14.38	14.46	14.54	14.62	
Voltaje máximo Max. voltage, VMP (V)	43.33	43.44	43.55	43.66	43.76	
Intensidad máxima actual Current, IMP (A)	13.51	13.59	13.66	13.74	13.83	
Modulo eficiencia Module Efficiency (%)	22.6	22.8	23.0	23.2	23.4	

PERFORMANCE AT NOCT						
Potencia de salida Maximum Power	444	448	451	455	459	
Voltaje circ. abierto Voltage open circuit, VOC (V)	48.70	48.90	49.00	49.10	49.20	
Intensidad cortocircuito Short circuit current, ISC (A)	11.55	11.62	11.68	11.74	11.81	
Voltaje máximo Max. voltage, VMP (V)	40.50	40.70	40.80	40.90	41.00	
Intensidad máxima actual Current, IMP (A)	10.94	11.00	11.05	11.12	11.20	
Max. potencia tolerada Max. power tolerance (W)	0-+3%					
Max. system Voltage (V)	Max. system Voltage (V) 1500VDC (IEC/UL) DC					
Maximum Series Fuse Rating (A)	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: 2278*1134mm

Nº of cells: 144 [2x(12x6)]

Cells: N type Mono-crystalline

Front glass: 2.0 mm High Transmission, Tempered glass, Anti-Reflection Coating

Connector: MC4 Compatible

Weight: 28 kg

Junction Box: IP68

Frame: Anodized aluminum alloy

Cable: 4mm² / 300mm

Front load: 5400Pa

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coeficiente de temp. Temp. Coefficient (P _{MAX})	-0.29%/°C
Coeficiente de temp. Temp. Coefficient (I _{SC})	0.043%/°C
Coeficiente de temp. Temp. Coefficient (V _{OC})	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	41°C (±2°C)
Operating Temperature	-40-+85°C

I-V CURVAS CURVES

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

