

# exiom

# EX565-585TC(B)-144(HC)(182)

## 565-585 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

**25**

Years | Años  
Product  
Producto

**30**

Years | Años  
Linear power  
Rendimiento lineal

**1**  
TIER

# Bloomberg

NEW ENERGY FINANCE

CERTIFIED  
**IEC**  
61730 Ed.1

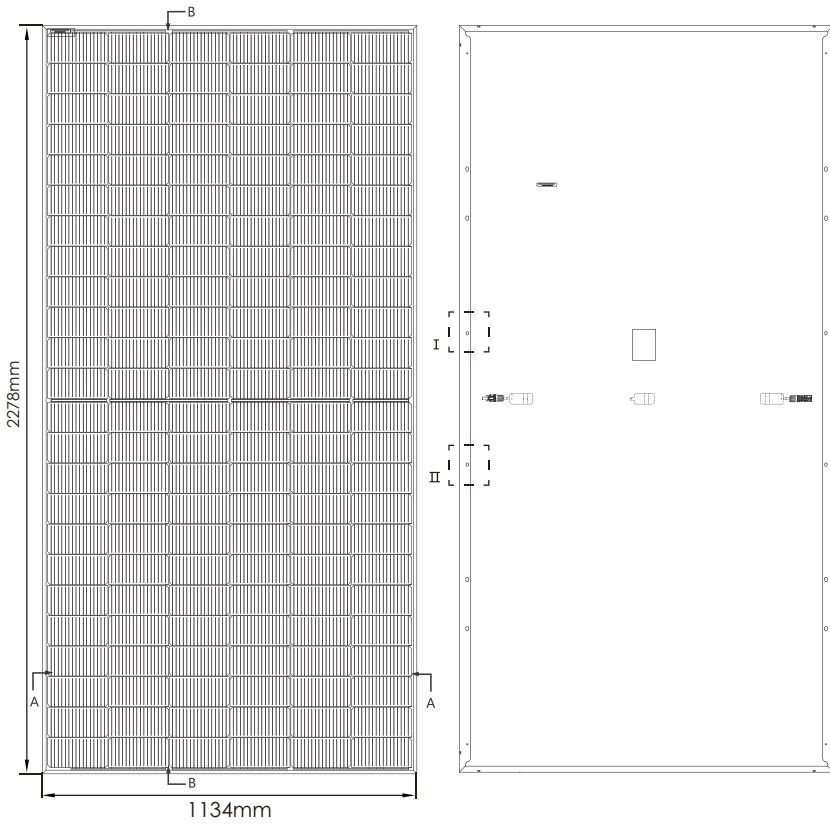
CERTIFIED  
**IEC**  
61215 Ed.2

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



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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.



### DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 2278\*1134mm

N° of cells: 144 (6×24)

Cells: N type Mono-crystalline

Front glass: 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass

Connector: MC4 Compatible

Weight: 28 kg

Junction Box: IP68 Rated

Frame: Anodized aluminum alloy

Cable: 4mm2

Front load: 5400Pa

Real Load: 2400Pa

TIPO TYPE	EX565TC-144HC		EX570TC-144HC		EX575TC-144HC		EX580TC-144HC		EX585TC-144HC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida   Maximum Power	565	425	570	429	575	432	580	436	585	440
Voltaje máximo   Max. voltage, VMP (V)	41.92	39.38	42.07	39.51	42.22	39.60	42.37	39.69	42.52	39.81
Intensidad máxima actual   Current, IMP (A)	13.48	10.79	13.55	10.85	13.62	10.92	13.69	10.99	13.76	11.05
Voltaje circ. abierto   Voltage open circuit, VOC (V)	50.60	48.06	50.74	48.20	50.88	48.33	51.02	48.46	51.16	48.60
Intensidad cortocircuito   Short circuit current, ISC (A)	14.23	11.49	14.31	11.55	14.39	11.62	14.47	11.68	14.55	11.75
Modulo eficiencia   Module Efficiency (%)	21.87		22.07		22.26		22.45		22.65	
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 <sub>MAX</sub> )	-0.29%/°C
Coefficiente de temp.   Temp. Coefficient (I <sub>SC</sub> )	0.045%/°C
Coefficiente de temp.   Temp. Coefficient (V <sub>OC</sub> )	-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 (575)

