

565-585 W

Topcon N-Type

 182 mm bifacial half cell

 2.278 x 1.134 mm

 32 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

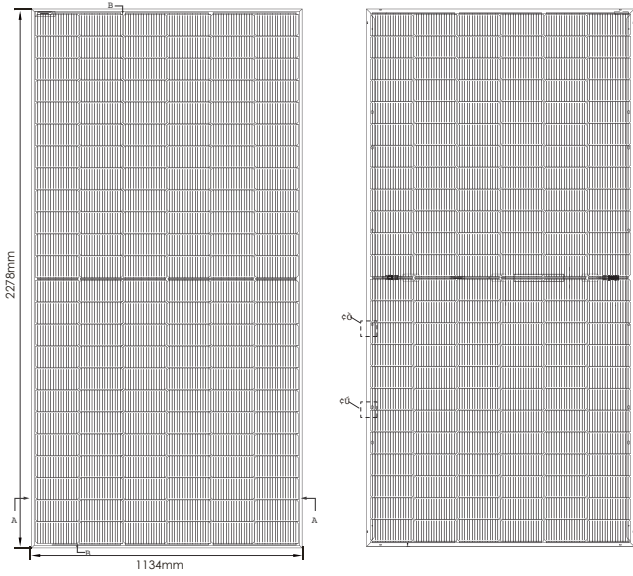
NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

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





DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Dimensions: 2278*1134mm
Nº of cells: 144 (2x72)
Cells: N type Mono-crystalline
Front glass: 2.0mm, Anti-Reflection Coating
Back glass: 2.0mm, Heat Strengthened Glass
Weight: 32 kg
Junction Box: IP68 Rated
Frame: Anodized aluminum alloy
Cable: 4mm ²

TIPO TYPE	EX565TC-144HC-BF		EX570TC-144HC-BF		EX575TC-144HC-BF		EX580TC-144HC-BF		EX585TC-144HC-BF	
	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)	42.14	39.52	42.29	39.65	42.44	39.78	42.59	39.87	42.74	39.96
Intensidad máxima actual Current, IMP (A)	13.41	10.75	13.48	10.81	13.55	10.87	13.62	10.94	13.69	11.02
Voltaje circ. abierto Voltage open circuit, VOC (V)	50.87	48.32	50.07	48.51	52.27	48.70	51.47	48.89	51.67	49.08
Intensidad cortocircuito Short circuit current, ISC (A)	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.60	14.43	11.65
Modulo eficiencia Module Efficiency (%)	21.87		22.07		22.26		22.45		22.63	
Max. potencia tolerada Max. power tolerance (W)	0~+3%									
Max. system Voltage (V)	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

GANANCIA POTENCIA BIFACIALIDAD BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		EX565TC-144HC-BF	EX570TC-144HC-BF	EX575TC-144HC-BF	EX580TC-144HC-BF	EX585TC-144HC-BF
5%	Maximum Power (Pmax)	588Wp	593Wp	599Wp	604Wp	609Wp
	Module Efficiency STC (%)	22.76%	22.97%	23.17%	23.37%	23.57%
10%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	661Wp	667Wp
	Module Efficiency STC (%)	24.93%	22.15%	25.37%	25.60%	25.82%
15%	Maximum Power (Pmax)	700Wp	706Wp	713Wp	719Wp	725Wp
	Module Efficiency STC (%)	27.10%	27.34%	27.58%	27.82%	28.07%

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coefficiente de temp. Temp. Coefficient (Pmax)	-0.29%/°C
Coefficiente de temp. Temp. Coefficient (ISC)	0.045%/°C
Coefficiente de temp. Temp. Coefficient (VOC)	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40~+85°C
Refer. Bifacial Factor	80±5%

I-V CURVAS CURVES

Temperatura celdas | Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (570)

