

605-625 W

Topcon N-Type

 182 mm mono half cell

 2.465 x 1.134 mm

 36.4 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

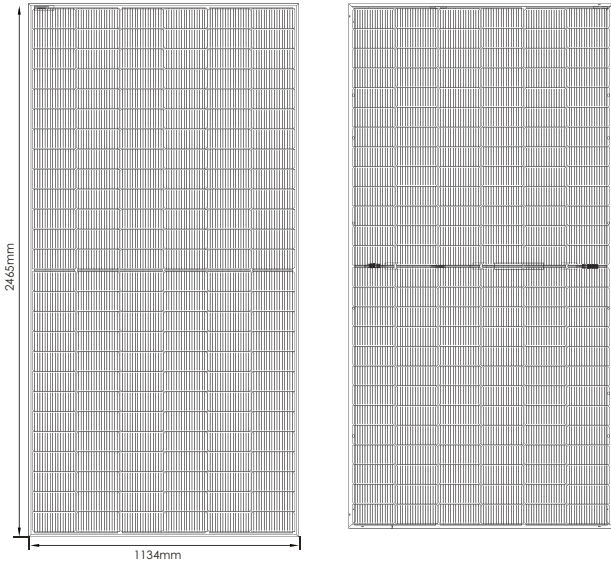
NEW ENERGY FINANCE

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

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





DATOS MECÁNICOS MECHANICAL SPECIFICATIONS

Laminate Structure: Glass/ POE/ Cells/ POE/Glass

Dimensions: 2465*1134mm

Cells: N-Type 16BB 182mm (2x78pcs)

Frame: Anodized aluminum alloy

Connector: UV Resistant Cable/Compatible MC4

Weight: 36.4 kg

Front load: 5400Pa

Real Load: 2400Pa

Junction Box: IP68, 3 bypass diodes

Glass Front: 2mm Anti-reflective surface Solar glass

Glass Back: 2mm Solar glass

Cable: 4mm2

TIPO TYPE	EX605TC-156BF		EX610TC-156BF		EX615TC-156BF		EX620TC-156BF		EX625TC-156BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potencia de salida Power output	605	455	610	459	615	462	620	466	625	470
Voltaje circ. abierto Voltage open circuit, VOC (V)	55.17	52.41	55.31	52.54	55.44	52.66	55.58	52.79	55.72	52.93
Intensidad cortocircuito Short circuit current, ISC (A)	13.95	11.26	14.03	11.33	14.11	11.39	14.19	11.46	14.27	11.52
Voltaje máximo Max. voltage, VMP (V)	45.42	42.23	45.60	42.35	45.77	42.46	45.93	42.57	46.10	42.68
Intensidad máxima actual Current, IMP (A)	13.32	10.77	13.38	10.83	13.44	10.89	13.50	10.95	13.56	11.01
Modulo eficiencia Module Efficiency (%)	21.64		21.82		22.00		22.18		22.36	
Max. potencia tolerada Max. power tolerance (%)	(0,+3)									
Max. system Voltage (V)	1.500Vdc (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

BIFACIAL SALIDA BIFACIAL OUTPUT REAR SIDE POWER GAIN

Gain (%)	Parameter	EX605TC-156BF	EX610TC-156BF	EX615TC-156BF	EX620TC-156BF	EX625TC-156BF
5%	Maximum Power (Pmax)	635	641	646	651	656
	Module Efficiency STC (%)	22.73	22.91	23.10	23.29	23.48
15%	Maximum Power (Pmax)	696	702	707	713	719
	Module Efficiency STC (%)	24.89	25.10	25.30	25.51	25.71
25%	Maximum Power (Pmax)	756	763	769	775	781
	Module Efficiency STC (%)	27.05	27.28	27.50	27.73	27.95

COEFICIENTES DE TEMPERATURA TEMPERATURE COEFFICIENTS

Coefficiente de temp. Temp. Coefficient (Pmax)	-0.29%/°C
Coefficiente de temp. Temp. Coefficient (ISC)	0.04%/°C
Coefficiente de temp. Temp. Coefficient (VOC)	-0.22%/°C
Nominal Operating Cell Temp. (NOCT)	44°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 (615)

