

EX510-530TC(B)-132(HC)(182)

N-TYPE

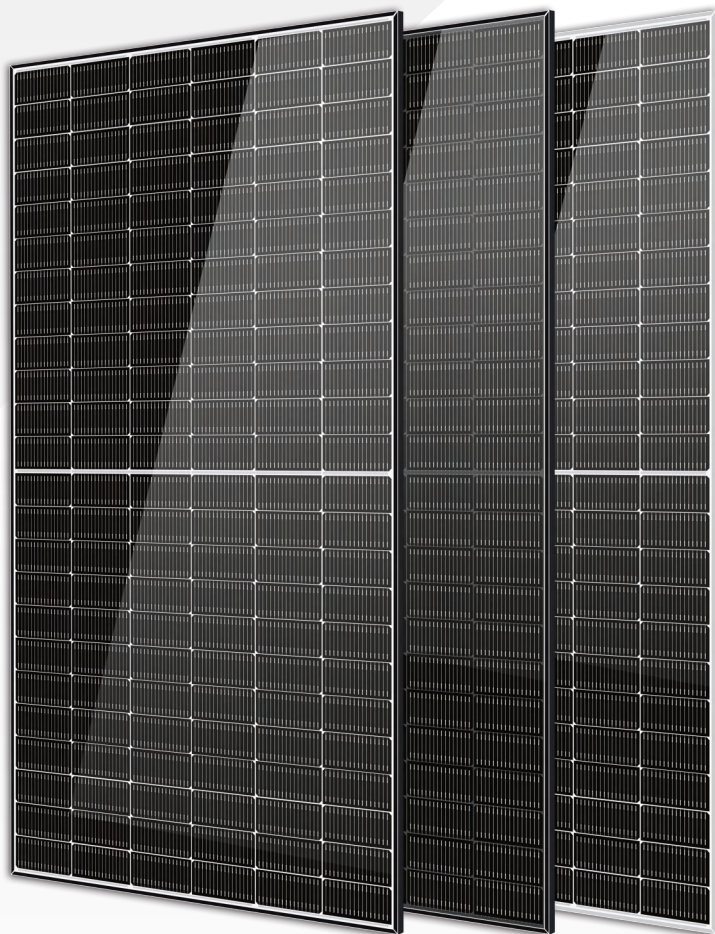
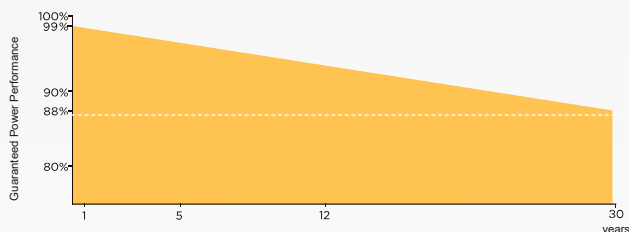
Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

La alta eficiencia de nuestras células solares nos permite producir diferentes tipos de paneles para a su vez dar la mayor eficiencia posible a sus instalaciones.

Exiom Solution designs, manufactures and delivers high-performance solar electric technology worldwide.

Our high-efficiency solar cell let us manufacture the different kinds of panels to get the most efficient in your installations.

LINEAR PERFORMANCE WARRANTY



25 Years Enhanced Product Warranty on Materials and Workmanship 30 Years Linear Power Performance Warranty



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical load

Certified to with stand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance

CERTIFIED
IEC
61730 Ed.1

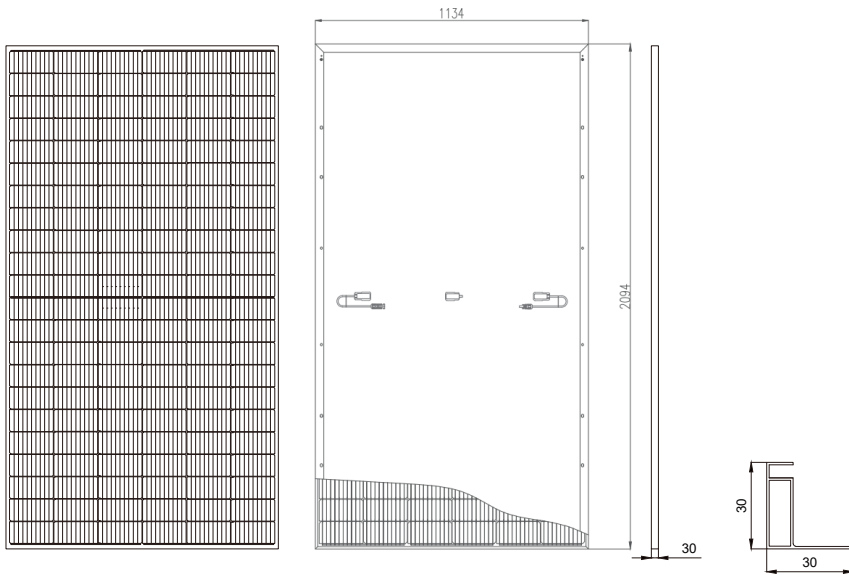
CERTIFIED
IEC
61215 Ed.2

✓ Anti-PID
System voltage durability
PPP 56042



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.

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



MECHANICAL SPECIFICATIONS

Dimensions: 2094*1134*30mm

N° of cells: 132 2x(11x6)

Cells: N type Mono-crystalline

Front Glass: AR Coated 3.2mm tempered glass

Weight: 26.9kg

Junction Box: IP68 (3 diodes)

Frame: Anodized aluminum alloy

Cable: 4mm²

Packaging Configuration: 36pcs/Pallet, 792pcs/40HQ Container

TYPE	EX510TC(B) -132(HC)		EX515TC(B) -132(HC)		EX520TC(B) -132(HC)		EX525TC(B) -132(HC)		EX530TC(B) -132(HC)		EX535TC(B) -132(HC)		EX540TC(B) -132(HC)		EX545TC(B) -132(HC)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power output	510	388	515	392	520	395	525	399	530	403	535	407	540	411	545	415
Voltage open circuit, VOC (V)	46.83	44.20	47.07	44.40	47.33	44.80	47.57	45.00	47.81	45.20	48.05	45.40	48.29	45.60	48.53	45.80
Short circuit current, ISC (A)	13.96	11.30	14.02	11.34	14.10	11.39	14.16	11.44	14.22	11.49	14.28	11.54	14.34	11.59	14.40	11.64
Max. voltage, VMP (V)	39.42	36.50	39.65	36.70	39.84	36.90	40.04	37.10	40.24	37.30	40.44	37.52	40.52	37.71	40.59	37.91
Current, IMP (A)	12.94	10.63	12.99	10.68	13.05	10.71	13.11	10.76	13.17	10.81	13.23	10.85	13.33	10.90	13.43	10.95
Module Efficiency (%)	21.47		21.69		21.90		22.11		22.32		22.53		22.74		22.95	
Max. power tolerance (W)	0-5															
Max.system Voltage (V)	1.500Vdc (IEC)															
Maximum Series Fuse Rating (A)	25A															

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5 | NOCT: Irradiance 800 W/m², Temperature 20°C, Wind Speed 1 m/s.

TEMPERATURE COEFFICIENTS

Temp. Coefficient (P _{MAX})	-0.29%/°C
Temp. Coefficient (ISC)	0.045%/°C
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°C

I-V CURVES

Cells temperature: 25°C. Current-Voltage & Power Voltage Curve (530)

