

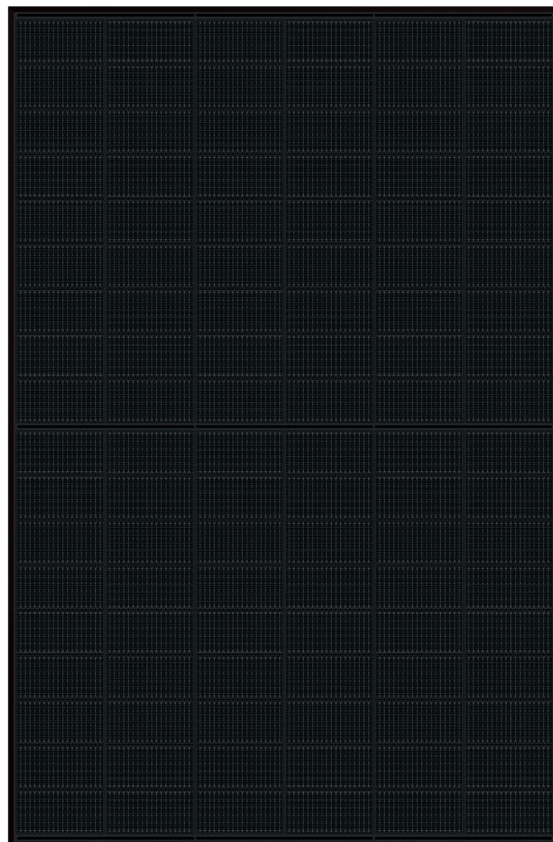


Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.

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.



25 AÑOS GARANTIA DE PRODUCTO / 25 YEARS PRODUCT WARRANTY



HJT Technology

Combining gettering process and $\mu\text{c-Si}$ technology to ensure higher cell efficiency and higher module power.



Up to 90% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



-0.26%/C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.



Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extend module lifespan.



SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.



Higher reliability

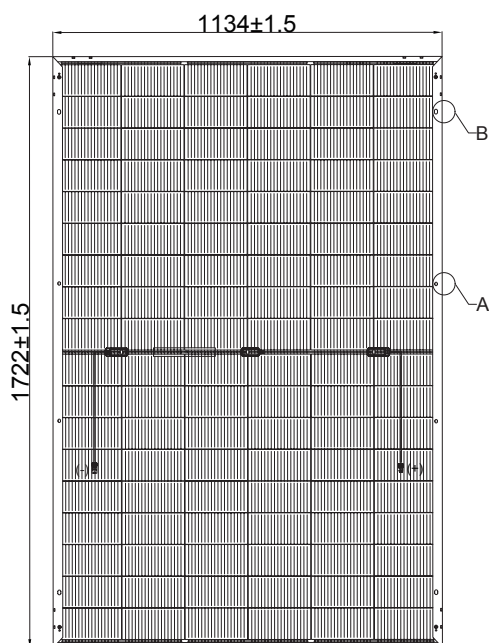
Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.



Suitable for Utility project

Lower BOS cost, lower LCOE.

DRAWINGS



ELECTRICAL CHARACTERISTICS (STC*)

Maximum power - Pmax (W)	430	435	440	445	450
Optimum Operating Voltage (Vmp) (V)	34.60	34.86	35.12	35.38	35.63
Optimum Operating Current (Imp) (A)	12.43	12.48	12.53	12.58	12.63
Open Circuit Voltage (Voc) (V)	41.37	41.64	41.91	42.18	42.44
Short Circuit Current (Isc) (A)	12.95	13.00	13.05	13.10	13.15
Module efficiency (%)	22.02	22.28	22.53	22.79	23.04
Operating Module Temperature	-40 to +85°C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	25A				
Max. power tolerance (W)	0-+5W				
Bifaciality (%)	90%±5%				

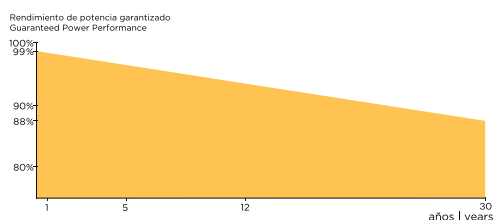
*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Test uncertainty for Pmax ±3%.

BSTC**

Maximum Power (Pmax) (W)	482	785	790	795	800
Optimum Operating Voltage (Vmp) (V)	34.72	50.59	50.74	50.88	51.03
Optimum Operating Current (Imp) (A)	13.89	19.33	19.39	19.44	19.50
Open Circuit Voltage (Voc) (V)	41.51	42.54	42.68	42.83	42.97
Short Circuit Current (Isc) (A)	14.52	18.46	18.51	18.57	18.62

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C

LINEAR PERFORMANCE WARRANTY



MECHANICAL CHARACTERISTICS

Cell Type	HJT Mono 182×91.75mm
Cell Connection	108 (6×18)
Module Dimension	1722×1134×30 mm
Weight	24.2kg / 21.2kg
Junction Box	IP68
Output Cable	4mm ² , 1200mm in length, length can be customized / UV resistant
Connectors Type	MC4-Evo 2
Frame	Anodised aluminum alloy (Black)
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm/1.6mm

PRODUCT CERTIFICATION



Anti-PID
System voltage durability
PPP 56042



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temp. (NOCT)	44°C±2°C
Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C