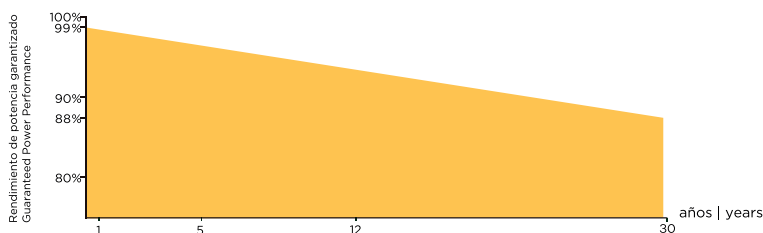




Exiom Solution diseña, fabrica y distribuye la más alta calidad en Energía Solar.
La alta eficiencia de nuestras células solares nos permite producir diferentes tipos de paneles para a su vez dar la mayor eficiencia posible a sus instalaciones.

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.

GARANTÍA DE RENDIMIENTO LINEAL LINEAR PERFORMANCE WARRANTY



25 AÑOS GARANTIA DE PRODUCTO / 25 YEARS PRODUCT WARRANTY

22.0
%

Extreme Power Production

The module efficiency up to 22.0% achieved by utilizing the most advanced technology in the solar industry.



Weak light

High Energy Yield

Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition.



SuperMBB

SuperMBB Half-Cut Cell Technology

Using the advanced 9BB solar cell combines with half-cut cell technology to guarantee more power.

5,400
2,400
Pascal

Guaranteed Better Durability

Certified for snow and wind loads of a maximum of 5,400 / 2,400 Pascals and with better protection against harsh weather to improve cell life for long-lasting high power.



Advanced Bifacial Efficiency

Bifaciality > 80%, effectively improves backside power generation.

A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power even with a backsheet.



Industry Leading Output Warranty

HTJ technology result in extremely low LID and PID which supports reliability and longevity. 12% power degradation in 30 years.

ELECTRICAL CHARACTERISTICS (STC*)

| | | | | | |
|--|--------------------|-------|-------|-------|-------|
| Maximum power - Pmax (W) | 470 | 475 | 480 | 485 | 490 |
| Open circuit current - Voc (V) | 53.48 | 53.61 | 53.74 | 53.87 | 54.00 |
| Short circuit current - Isc (A) | 10.70 | 10.76 | 10.82 | 10.92 | 11.00 |
| Voltage at maximum power - VMP (V) | 45.66 | 45.86 | 46.08 | 46.28 | 46.48 |
| Current at maximum power point - IMP (A) | 10.30 | 10.36 | 10.43 | 10.48 | 10.54 |
| Module efficiency (%) | 21.6 | 21.9 | 22.1 | 22.3 | 22.5 |
| Maximum System Voltage | 1500Vdc (IEC / UL) | | | | |
| Maximum Series Fuse | 20A | | | | |
| Max. power tolerance (%) | (0,+5) | | | | |
| Bifaciality (%) | 85±5 | | | | |

BSTC**

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Maximum power - Pmax (W) | 520 | 525 | 530 | 535 | 540 |
| Open circuit current - Voc (V) | 55.33 | 55.93 | 56.53 | 57.13 | 57.73 |
| Short circuit current - Isc (A) | 11.61 | 11.65 | 11.69 | 11.73 | 11.77 |
| Voltage at maximum power - VMP (V) | 46.60 | 46.80 | 47.00 | 47.20 | 47.40 |
| Current at maximum power point - IMP (A) | 11.61 | 11.65 | 11.69 | 11.39 | 11.40 |

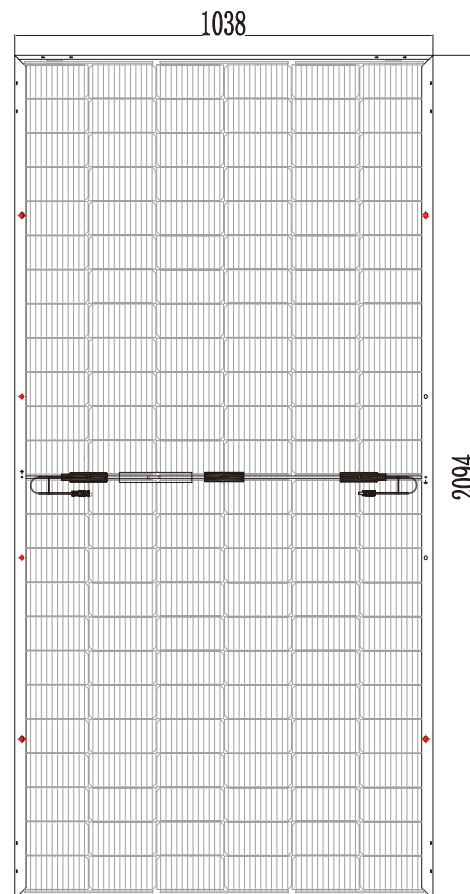
*STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within +/- 3%.

**BSTC : Front side irradiation 1000W/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25°C. Values are based on RETC certified results from a light-soaked module.

MECHANICAL PARAMETERS

| | |
|--------------------|---|
| Laminate Structure | Glass/ POE/ Cells/ POE/Glass |
| Cell Type | HJT Mono 166 x 83 mm |
| Cell Connection | 144 (72x2) |
| Module Dimensions | 2094x1038 mm |
| Weight | 27 kg |
| Junction Box | IP68, 3 bypass diodes |
| Output Cable | 4.0mm ² , 50cm (+), 50cm (-), length can be customized |
| Connectors Type | UV Resistant Cable/Compatible MC4 |
| Frame | Anodised Aluminum |
| Front Load | 5400 Pa |
| Real Load | 2400 Pa |
| Glass Thickness | (F) 2.0mm Anti-reflective surface Solar glass (B) 2.0mm Solar glass |

DRAWINGS



TEMPERATURE PARAMETERS

| | |
|-------------------------------------|-------------|
| Nominal Operating Cell Temp. (NOCT) | 45°C (±2°C) |
| Temperature Coefficient of Pmax | -0.24 %/°C |
| Temperature Coefficient of Voc | -0.22 %/°C |
| Temperature Coefficient of Isc | 0.04 %/°C |

PRODUCT CERTIFICATION

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2



Anti-PID
System voltage durability
PPP 56042

