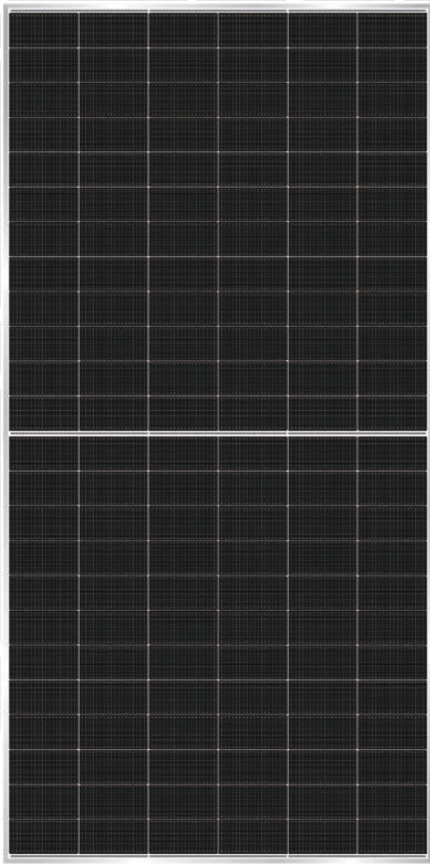




**X-HALF CUT- HJT** Heterojunction High Efficiency glass glass BIFACIAL modules  
 Monocrystalline  
 580 - 585 - 590 - 595 - 600 Wp  
 Max efficiency **23,23%**



**NEW GENERATION OF POWERFULL CELLS**



High Voltage 1500 Vdc



Double glass module with frame



Power tolerance



Extremely low Temp. Coefficient -0.26%/ °C



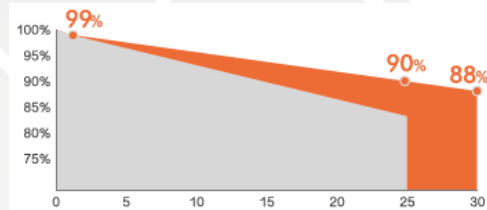
Product Warranty



Linear Warranty

X-HALF CUT is one of a wide range of SUNERG's product. It is manufactured according to IEC 61215, IEC 61730 and CE standards. The innovative multi busbar half-cells guarantee high power per unit, reduce the risk of micro-crack, mismatch and shadow loss, so increasing the reliability of the module.

LINEAR WARRANTY



- look warranty terms -

CORRESPOND TO

IEC 61215 | IEC 61730 | PV CYCLE | CE |

UNI EN ISO 9001:2008  
 UNI EN ISO 14001:2004  
 UNI EN ISO 45001:2018

| Quality management system  
 | Standards for environmental management system  
 | International standards for occupational health and safety

**ELECTRICAL DATA (STC)**

XMHCJQ580BFDG+H      XMHCJQ585BFDG+H      XMHCJQ590BFDG+H      XMHCJQ595BFDG+H      XMHCJQ600BFDG+H

Open circuit Voltage	(Voc)	53.42 V	53.62 V	53.81 V	54.00 V	54.20 V
Voltage a Pmax.	(Vmp)	45.00 V	45.21 V	45.42 V	45.63 V	45.84 V
Short-circuit current	(Isc)	13.35 A	13.40 A	13.45 A	13.50 A	13.55 A
Current at Pmax.	(Imp)	12.89 A	12.94 A	12.99 A	13.04 A	13.09 A
Peak Power (Pmax) Tolerance		580 Wp	585 Wp	590 Wp	595 Wp	600 Wp
Module Efficiency		22.45 %	22.65 %	22.84 %	23.03 %	23.23 %
Maximum voltage		1500 V DC				
Maximum series fuse rating		25A				
Operating Temperature		-40°C - +85°C				
Bifaciality		85% ± 5%				

\* STC (Standard test conditions)

Tolerance electric measurement ±3%

 Irradiance 1000 w/m<sup>2</sup>, Temperature 25°C, AM = 1.5

**BSTC\***

Nominal Max. Power (Pmax/W)	640	645	650	655	660
Open Circuit Voltage (Voc/V)	53.42	53.62	53.81	54.00	54.20
Short Circuit Current( Isc/A)	14.73	14.77	14.82	14.86	14.90
Optimum Operating Voltage (Vmp/V)	45.00	45.21	45.42	45.63	45.84
Optimum Operating Current (Imp/A)	14.23	14.27	14.32	14.36	14.40

 \*BSTC: front side irradiation 1000 w/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, Temperature 25°C, AM = 1.5

**TEMPERATURE COEFFICIENT**

Nominal Operating Temp. NOCT	44 C ± 2 C
Pmax Temperature Coefficient	-0.26%/ °C
Voc Temperature Coefficient	-0.24%/ °C
Isc Temperature Coefficient	0.04% / °C

**MECHANICAL CHARACTERISTIC**

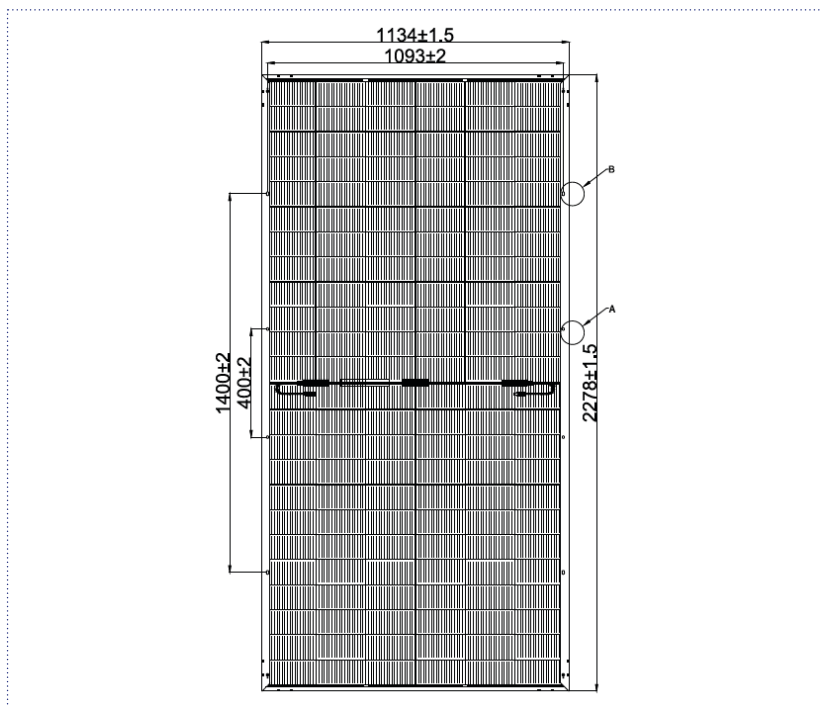
Dimensions (mm)	2278 x 1134 x 30
Weight (Kg)	32
Solar cells type	HJT Mono 182 X 91.75 mm
No. solar cells	144

**PACKING CONFIGURATION**

Module per Pallet	36
Modules per container 40'HQ	720

**GENERAL INFORMATION**

Glass	2.0 mm anti-reflective solar glass   2.0 mm solar glass
Frame	Anodized aluminum alloy
Juntion Box	IP68
Output Cable - Connectors	4.0mm <sup>2</sup> , 300 mm in length, length can be customized / UV resistant



Sunerg Solar S.r.l. reserves the right to make changes to the technical data of the product without prior notice. The technical details of the form, although included with the utmost care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.l.