

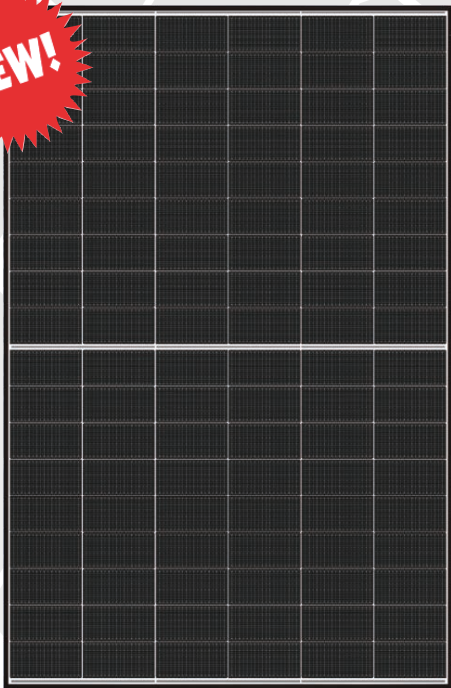


X-HALF CUT- HJT Heterojunction High Efficiency glass glass BIFACIAL modules

Monocrystalline

430 - 435 - 440 - 445 - 450 Wp

Max efficiency **23,04%**



**NEW GENERATION
OF POWERFULL CELLS**



High Voltage 1500 Vdc



Double glass module with frame



Power tolerance



Extremely low Temp.
Coefficient-0.26%/ °C



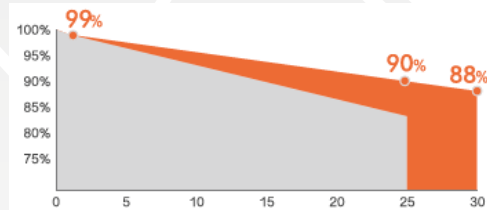
Product Warranty



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)

XMHCJO430BFDGBW+H XMHCJO435BFDGBW+H XMHCJO440BFDGBW+H XMHCJO445BFDGBW+H XMHCJO450BFDGBW+H

Open circuit Voltage	(Voc)	39.80 V	40.06 V	40.33 V	40.59 V	40.84 V
Voltage a Pmax.	(Vmp)	33.49 V	33.75 V	34.01 V	34.26 V	34.51 V
Short-circuit current	(Isc)	13.30 A	13.35 A	13.40 A	13.45 A	13.50 A
Current at Pmax.	(Imp)	12.84 A	12.89 A	12.94 A	12.99 A	13.04 A
Peak Power (Pmax) Tolerance 0/+5%		430 Wp	435 Wp	440 Wp	445 Wp	450 Wp
Module Efficiency		22.02 %	22.28 %	22.53 %	22.79 %	23.04 %
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/m², Temperature 25°C, AM = 1.5

BSTC*

Nominal Max. Power (Pmax/W)	475	480	485	490	495
Open Circuit Voltage (Voc/V)	39.80	40.06	40.33	40.59	40.84
Short Circuit Current(Isc/A)	14.69	14.73	14.77	14.81	14.85
Operating Voltage (Vmp/V)	33.49	33.75	34.01	34.26	34.51
Operating Current (Imp/A)	14.18	14.23	14.27	14.31	14.35

*BSTC: front side irradiation 1000 w/m², back side reflection irradiation 135W/m², 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)	1722 x 1134 x 30
Weight (Kg)	22
Solar cells type	HJT Mono 182 X 91.75 mm
No. solar cells	108

PACKING CONFIGURATION

Module per Pallet	36
Modules per container 40'HQ	936

GENERAL INFORMATION

Glass	1.6 mm anti-reflective surface solar glass 1.6 mm solar glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cable - Connectors	4.0mm ² , 1200 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.

