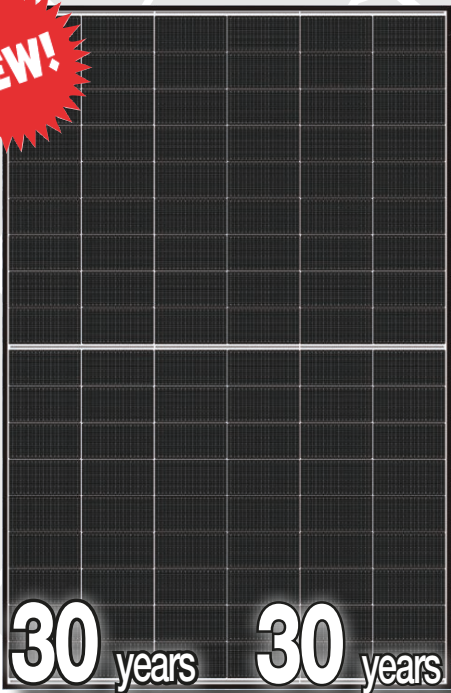




X-HALF CUT- HJT Heterojunction High Efficiency glass glass BIFACIAL modules Monocrystalline 430 - 435 - 440 - 445 - 450 Wp

Max efficiency **23,04%**



Product warranty Linear warranty



NEW GENERATION OF POWERFULL CELLS



High Voltage 1500 Vdc



Class 1 Fire reaction



Double glass module with frame



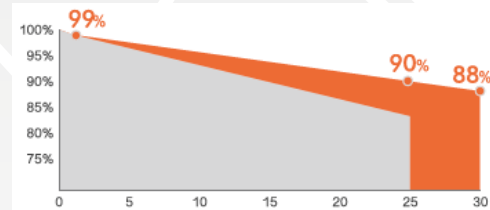
Power tolerance



Extremely low Temp. Coefficient -0.26%/ °C

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)		XMHCJO430BFDG+H	XMHCJO435BFDG+H	XMHCJO440BFDG+H	XMHCJO445BFDG+H	XMHCJO450BFDG+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		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	4.0mm ² , 1200 mm in length, length can be customized / UV resistant
Connectors	MC4 original
Diodes	3

