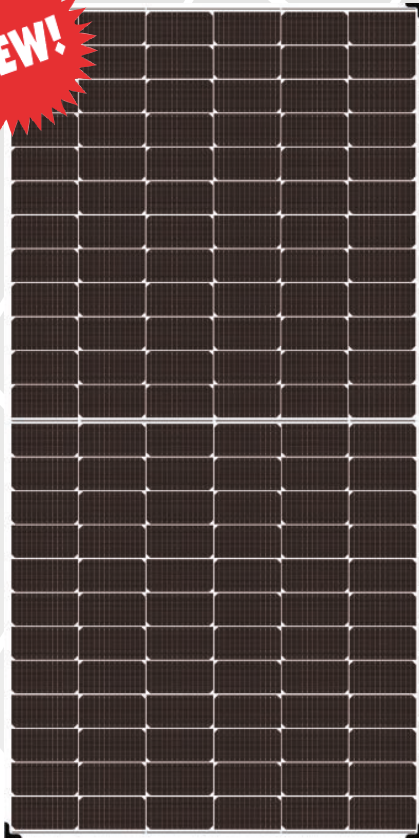




# X-HALF CUT- HJT Heterojunction High Efficiency glass glass BIFACIAL modules Monocrystalline 460 - 465 - 470 - 475 - 480Wp

**NEW!**



Modules for Agrivoltaic



Double glass module frameless



Up to 85% bifaciality



High Voltage 1500 Vdc



Power tolerance 0~+5W



Max efficiency 22,24%



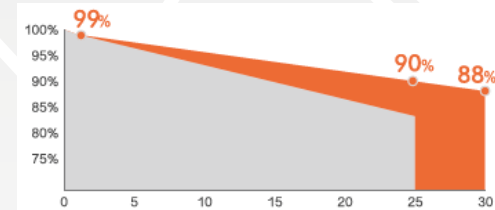
Product Warranty 15 YEARS



Linear Warranty 30 YEARS

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)		XMHCJI460BFDG+HSC	XMHCJI465BFDG+HSC	XMHCJI470BFDG+HSC	XMHCJI475BFDG+HSC	XMHCJI480BFDG+HSC
Open circuit Voltage	(Voc)	53.22 V	53.35 V	53.48 V	53.61 V	53.74 V
Voltage a Pmax.	(Vmp)	45.24 V	45.44 V	45.66 V	45.86 V	46.08 V
Short-circuit current	(Isc)	10.58 A	10.64 A	10.70 A	10.76 A	10.82 A
Current at Pmax.	(Imp)	10.18 A	10.24 A	10.30 A	10.36 A	10.43 A
Peak Power (Pmax) Tolerance		460 Wp	465 Wp	470 Wp	475 Wp	480 Wp
Module Efficiency		21.32 %	21.55 %	21.78 %	22.01 %	22.24 %
Maximum voltage		1500 V DC				
Maximum series fuse rating		20A				
Operating Temperature		-40°C - +85°C				

Tolerance electric measurement ±3%

### BSTC\*

Maximum Power (Pmax/W)	510	515	520	525	530
Open Circuit Voltage (Voc/V)	54.33	54.73	55.33	55.93	56.53
Short Circuit Current( Isc/A)	11.53	11.57	11.61	11.65	11.69
Operating Voltage (Vmp/V)	46.20	46.40	46.60	46.80	47.00
Operating Current (Imp/A)	11.14	11.19	11.24	11.29	11.34

\*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

### \* STC (Standard test conditions)

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

### TEMPERATURE COEFFICIENT

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)	2112 x 1041 x 5
Weight (Kg)	25
Solar cells type	HJT Mono 166x83 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 surface solar glass   2.0 mm solar glass
Junction Box	IP68
Output Cable - Connectors	4.0mm <sup>2</sup> , 300 mm in leght

