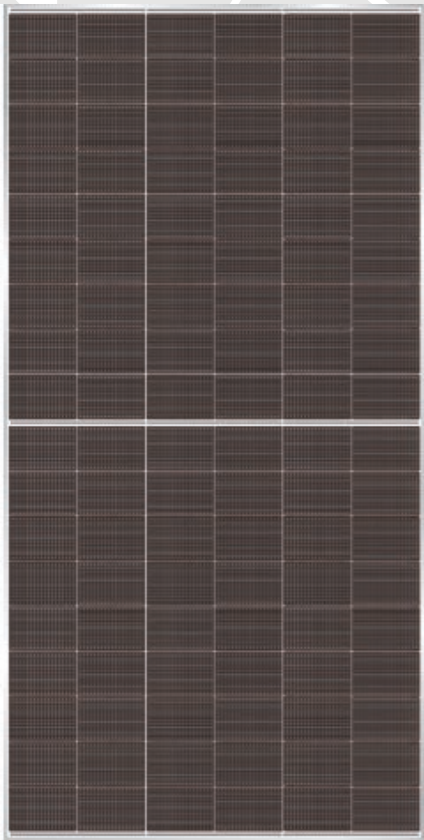




X-HALF CUT- HJT Heterojunction High Efficiency glass glass BIFACIAL modules
 Monocrystalline
 500 - 505 - 510 - 515 - 520 Wp

Max efficiency **23,40%**



NEW GENERATION OF POWERFULL CELLS



High Voltage 1500 Vdc



Double glass module with frame



Power tolerance



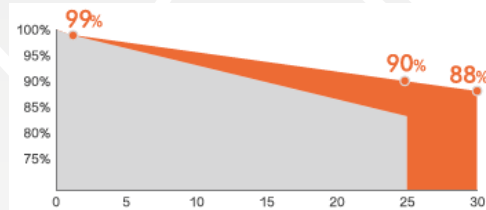
Extremely low Temp. Coefficient-0.26%/ °C

15 years
Product warranty

30 years
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) | | XMHCJU500BFDG+H | XMHCJU505BFDG+H | XMHCJU510BFDG+H | XMHCJU515BFDG+H | XMHCJU520BFDG+H |
|-----------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Open circuit Voltage | (Voc) | 41.67 V | 41.82 V | 41.97 V | 42.12 V | 42.16 V |
| Voltage a Pmax. | (Vmp) | 34.36 V | 34.49 V | 34.61 V | 34.74 V | 34.87 V |
| Short-circuit current | (Isc) | 15.42 A | 15.47 A | 15.52 A | 15.57 A | 16.02 A |
| Current at Pmax. | (Imp) | 14.56 A | 14.65 A | 14.74 A | 14.83 A | 14.92 A |
| Peak Power (Pmax) Tolerance | | 500 Wp | 505 Wp | 510 Wp | 515 Wp | 520 Wp |
| Module Efficiency | | 22.50 % | 22.72 % | 22.95 % | 23.17 % | 23.40 % |
| Maximum voltage | | 1500 V DC | | | | |
| Maximum series fuse rating | | 30A | | | | |
| 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*

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Max. Power (Pmax/W) | 560 | 565 | 570 | 575 | 580 |
| Open Circuit Voltage (Voc/V) | 41.67 | 41.82 | 41.97 | 42.12 | 42.16 |
| Short Circuit Current(Isc/A) | 17.19 | 17.25 | 17.30 | 17.36 | 17.86 |
| Operating Voltage (Vmp/V) | 34.36 | 34.49 | 34.61 | 34.74 | 34.87 |
| Operating Current (Imp/A) | 16.30 | 16.39 | 16.47 | 16.56 | 16.64 |

*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 | -0.22%/ °C |
| Isc Temperature Coefficient | 0.04% / °C |

MECHANICAL CHARACTERISTIC

| | |
|------------------|-----------------------|
| Dimensions (mm) | 1960 x 1134 x 30 |
| Weight (Kg) | 27.6 |
| Solar cells type | HJT Mono 182 X 105 mm |
| No. solar cells | 108 |

PACKING CONFIGURATION

| | |
|-----------------------------|-----|
| Module per Pallet | 36 |
| Modules per container 40'HQ | 792 |

GENERAL INFORMATION

| | |
|--------------|--------------------------------------------------------------------------------|
| Glass | 2.0 mm anti-reflective surface solar glass 2.0 mm solar glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cable | 4.0mm ² , 300 mm in length, length can be customized / UV resistant |
| Connectors | MC4 original / MC4 compatible |
| Diodes | 3 |

