



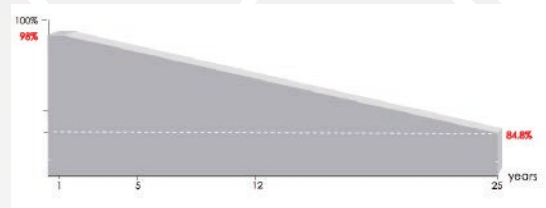
X-HALF CUT Monocrystalline 495 - 500 - 505 Wp



- Half-cut cells Multi Busbar
- High Voltage 1500 Vdc
- 0~+5W Power tolerance
- 15 YEARS Product Warranty
- 25 YEARS Linear Warranty
- Max efficiency 21,30%
- Extremely low Temp. Coefficient-0.35%/ °C

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.



- 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)

XMHC132495K+H

XMHC132500K+H

XMHC132505K+H

| | | STC | NOCT | STC | NOCT | STC | NOCT |
|-----------------------------|-------|---------------|---------|---------|---------|---------|---------|
| Open circuit Voltage | (Voc) | 45.34 V | 42.61 V | 45.43 V | 42.71 V | 45.54 V | 42.83 V |
| Voltage a Pmax. | (Vmp) | 37.34 V | 34.72 V | 37.41 V | 34.79 V | 37.53 V | 34.85 V |
| Short-circuit current | (Isc) | 13.78 A | 11.17 A | 13.85 A | 11.24 A | 13.95 A | 11.31 A |
| Current at Pmax. | (Imp) | 13.26 A | 10.63 A | 13.37 A | 10.73 A | 13.46 A | 10.79 A |
| Peak Power (Pmax) Tolerance | | 495 Wp | 369 Wp | 500 Wp | 373 Wp | 505 Wp | 376 Wp |
| Module Efficiency | | 20.80 % | | 21.10 % | | 21.30 % | |
| Maximum voltage | | 1500 V DC | | | | | |
| Maximum series fuse rating | | 25 A | | | | | |
| Operating Temperature | | -40°C - +85°C | | | | | |

Tolerance electric measurement ±3%

*** STC** (Standard test conditions)

 Irradiance 1000 w/m², Temperature 25°C, AM = 1.5

*** NOCT** (Nominal Operating Cell Temperature)

 Irraggiamento 800 W/m², temperatura 20°C, wind speed 1m/s

TEMPERATURE COEFFICIENT

| | |
|------------------------------|-------------|
| NOCT | 43 ± 2 C |
| Pmax Temperature Coefficient | -0.35%/ °C |
| Voc Temperature Coefficient | -0.28%/ °C |
| Isc Temperature Coefficient | 0.050% / °C |

MECHANICAL CHARACTERISTIC

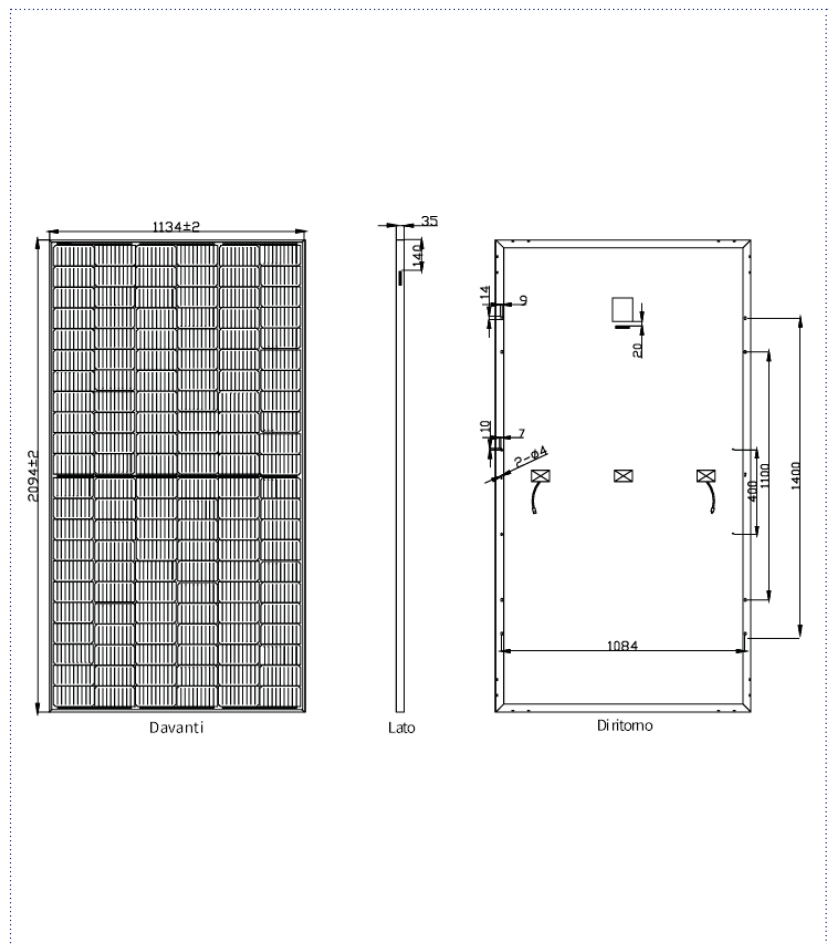
| | |
|------------------|------------------|
| Dimensions (mm) | 2094 x 1134 x 35 |
| Weight (Kg) | 26.3 |
| Solar cells type | Mono 182x 91 mm |
| N. solar cells | 132 |

PACKING CONFIGURATION

| | |
|-----------------------------|----------|
| Module per Pallet | 31 pcs. |
| Modules per container 40'HQ | 682 pcs. |

GENERAL INFORMATION

| | |
|---------------------------|---|
| Glass | antireflex-coated, high transmission, tempered glass 3.2 mm |
| Frame | Anodized aluminum |
| Junction Box | IP68 |
| Output Cable - Connectors | 4.0mm ² , 1200 mm |



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