



X-HALF CUT N-TYPE serie TOPCon + single glass

410/430_{Wp}
Power

TOPCon +
Technology Innovation

Class 1
Fire Reaction

22.02%
Efficiency

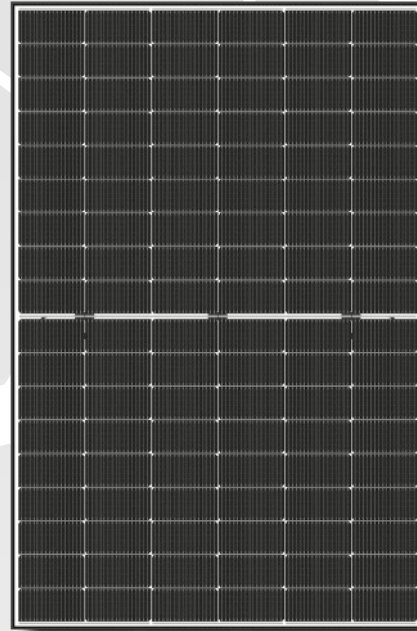
2400Pa
wind load

5400Pa
snow load

-0.290%/°C
Temperatura coefficiente

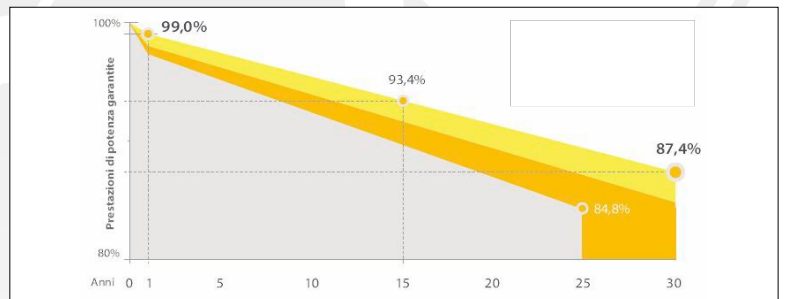
15 years
Product warranty

30 years
Linear warranty



X-HALF CUT N-Type serie TOPCON+ involves the introduction of a thin oxide layer between the metal contacts and the silicon wafer, which brings significant improvements in cell conversion efficiency and power generation performance.

LINEAR WARRANTY



- look warranty terms -

CORRESPOND TO

| UNI9177 | PV CYCLE | CE |

UNI EN ISO 9001:2008
UNI EN ISO 14001:2004
UNI EN BS OHSAS 18001:2007

| Quality management system
| Standards for environmental management system
| International standards for occupational health and safety

ELECTRICAL DATA (STC)*

XMHCTO410KBW+H XMHCTO415KBW+H XMHCTO420KBW+H XMHCTO425KBW+H XMHCTO430KBW+H

Open circuit Voltage	(Voc)	37.73 V	37.92 V	38.11 V	38.30 V	38.49 V
Voltage a Pmax.	(Vmp)	31.13 V	31.32 V	31.51 V	31.70 V	31.88 V
Short-circuit current	(Isc)	13.91 A	13.99 A	14.07 A	14.15 A	14.23 A
Current at Pmax.	(Imp)	13.17 A	13.25 A	13.33 A	13.41 A	13.49 A
Nominal Peak Power (Pmax)		410 Wp	415 Wp	420 Wp	425 Wp	430 Wp
Module Efficiency		21.00%	21.25%	21.51%	21.76%	22.02%
Power output tolerance		0 ~ + 5W				
Maximum voltage		1500 V				
Maximum series fuse rating		25 A				
Operating Temperature		- 40°C ~ 85°C				

Tolerance electric measurement ±3%

* STC (Standard test conditions)

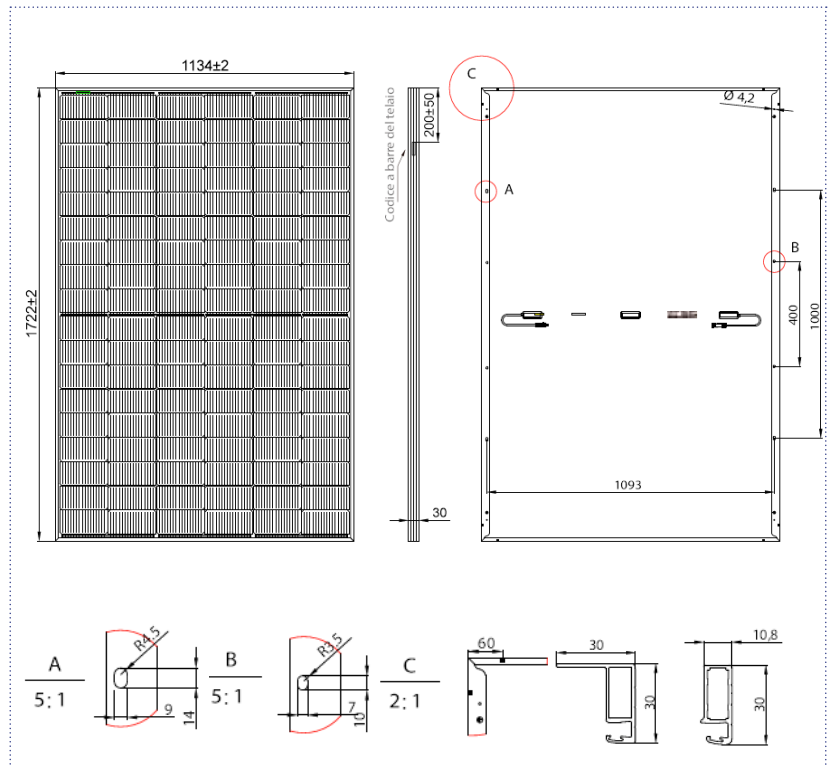
 Irradiance 1000 w/m², temperature 25°C, AM= 1.5

TEMPERATURE COEFFICIENT

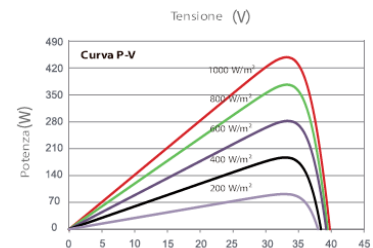
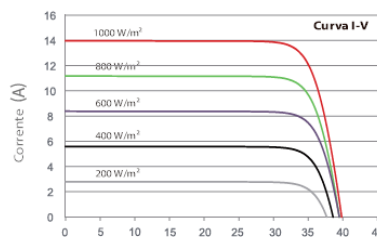
NOCT	45°C±2°C
Pmax Temperature Coefficient	-0.300%/ °C
Voc Temperature Coefficient	-0.250%/ °C
Isc Temperature Coefficient	0.046% / °C

MECHANICAL CHARACTERISTIC

Maximum Load	5400 Pa / 2400 Pa
Dimensions (mm)	1722 x 1134 x 30
Weight (Kg)	20.8
Solar cells type	N type Mono
No. solar cells	108
Dim. cells	182*91 mm


PACKING CONFIGURATION

Module per Pallet	36 pcs.
Modules per container 40'HQ	936 pcs.


GENERAL INFORMATION

Glass	Tempered, 3.2 mm high transmission, low iron
Frame	Anodized aluminum alloy (black)
Junction Box	IP68 3 diodes
Output Cable	4.0mm² , 300mm/customized
Connectors	MC4 (compatible)

Sunerg Solar S.r.l. reserves the right to make changes to the technical data of the product without prior notice.

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