

X-HALF CUT N-TYPE serie TOPCon

420/430_{Wp}
Power

TOPCon Cells

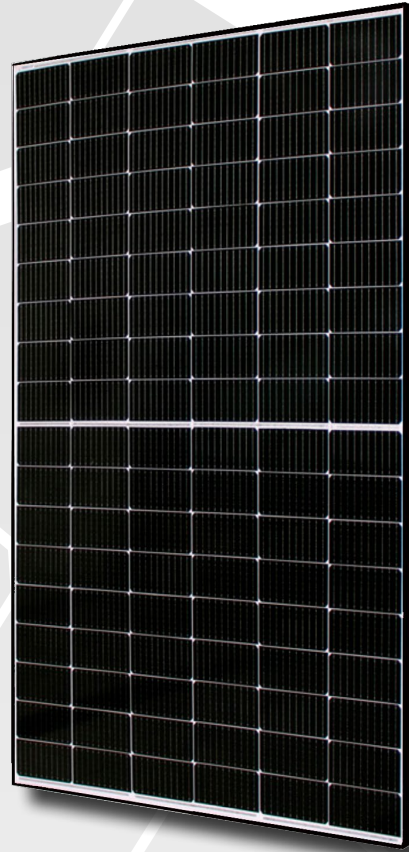
5400 PA
Mechanical Load

182x91mm
Cell Size

22.02%
efficiency

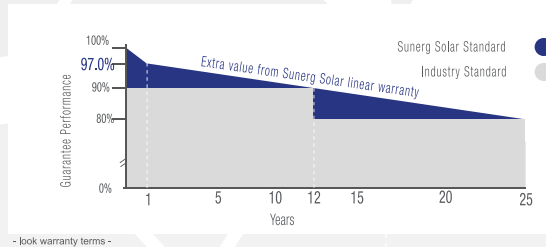
15 years
product warranty

25 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)		XMHCTO420+H	XMHCTO425+H	XMHCTO430+H
Open circuit Voltage	(Voc)	37.89 V	38.07 V	38.25 V
Voltage a Pmax.	(Vmp)	31.36 V	31.55 V	31.73 V
Short-circuit current	(Isc)	14.15 A	14.67 A	14.31 A
Current at Pmax.	(Imp)	13.40 A	13.48 A	13.56 A
Nominal Peak Power (Pmax)		420 Wp	425 Wp	430 Wp
Module Efficiency		21.51%	21.76%	22.02%
Power output tolerance			-0/+5 W	
Maximum voltage			1500 V	
Maximum series fuse rating			25 A	
Limiting reverse current			20 A	
Operating Temperature			- 40°C to 85°C	

* STC (Standard test conditions)

Tolerance electric measurement and Power Output $\pm 3\%$

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

ELECTRICAL PARAMETERS AT NOMINAL MODULE OPERATING TEMPERATURE (NMOT)

Peak Power	(Pmax)	318.0 W	321.8 W	325.6 W
Open Circuit Voltage	(Voc)	36.00 V	36.20 V	36.30 V
Short Circuit Current	(Isc)	11.43 A	11.50 A	11.56 A
MPP Voltage	(Vmp)	29.80 V	30.00 V	30.20 V
MPP Current	(Imp)	10.67 A	10.73 A	10.78 A

* NMOT (Nominal Module Operating Temperature)

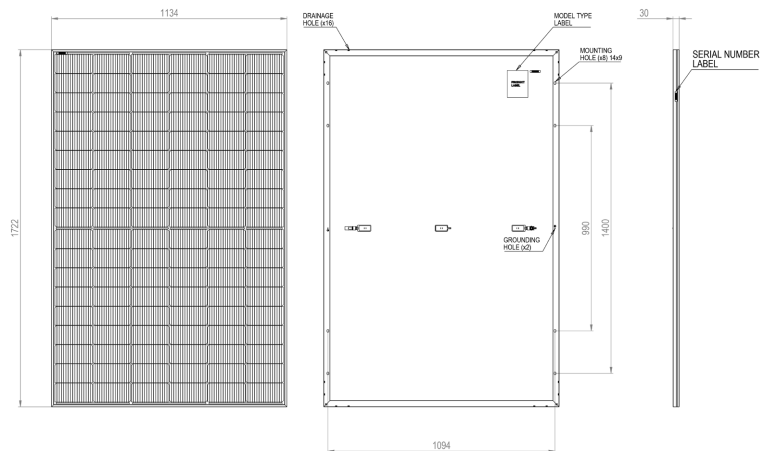
Irradiance 800 w/m², temperature 20°C, wind speed 1 m/s

TEMPERATURE COEFFICIENT

Pmax Temperature Coefficient	-0.316% / °C
Voc Temperature Coefficient	-0.249% / °C
Isc Temperature Coefficient	0.045% / °C

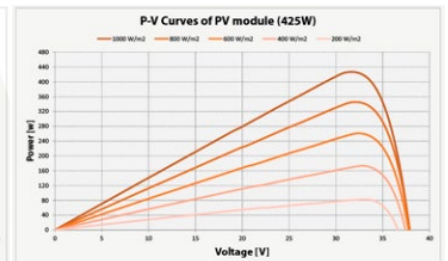
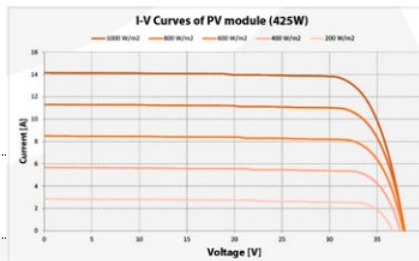
MECHANICAL DATA

Maximum Load	5400 Pa
Dimensions (mm)	1722 x 1134 x 30
Weight (Kg)	20.2
Solar cells type	N type Mono
No. solar cells	108 (6x18)
Dim. solar cells	182x91mm +/-1mm



GENERAL INFORMATION

Front Glass	3,2 mm, Tempered solar glass
Frame	Anodized aluminum alloy, with twin-wall profile and drainage holes
Junction Box	IP68 Rated with 3 Bypass diodes
Output Cable	4.0mm², 1100mm length, MC4 compatible connectors



PACKING CONFIGURATION

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

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