EN

MADE IN EUROPE

X-HALF CUT N-TYPE serie TOPCon

420/430Wp
Power

TOPCon Cells

Bifacial

Class 1
Fire reaction

5400 PA
Mechanical Load

182x91mm
Cell Size

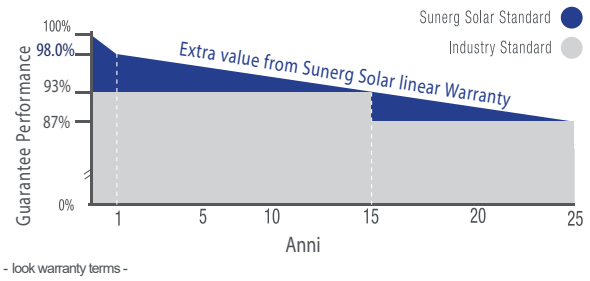
22.02%
Module Efficiency

15years
product warranty

25years
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 -

CONFORM TO:

| UNI9177 | PV CYCLE | CE |

UNI EN ISO 9001:2008 | Quality management system
UNI EN ISO 14001:2004 | Standards for environmental management system
UNI EN BS OHSAS 18001:2007 | International standards for occupational health and safety

ELECTRICAL DATA (STC)		XMHCTO420BFDG(B)+H	XMHCTO425BFDG(B)+H	XMHCTO430BFDG(B)+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
Cell Efficiency		24.70%	24.90%	25.20%
Module Efficiency		21.51%	21.76%	22.02%
Power output tolerance			-0/+5 W	
Maximum voltage			1500 V	
Maximum series fuse rating			30 A	
Limiting reverse current			25 A	
Operating Temperature			- 40°C to 85°C	

Irradiance 1000 w/m^2, temperature 25°C, AM= 1.5

Tolerance electric measurement and Power Output ±3%

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

* Irradiance 800 w/m2, ambient temperature 20°C, WS= 1 m/s

ELECTRICAL PARAMETERS AT BIFACIAL NAME PLATE IRRADIANCE (BNPI)				
Peak Power	(Pmax)	462 W	468 W	473 W
Open Circuit Voltage	(Voc)	37.89 V	38.07 V	38.25 V
Short Circuit Current	(Isc)	15.68 A	16.25 A	15.86 A
MPP Voltage	(Vmp)	31.36 V	31.55 V	31.73 V
MPP Current	(Imp)	14.73 A	14.83 A	14.91 A

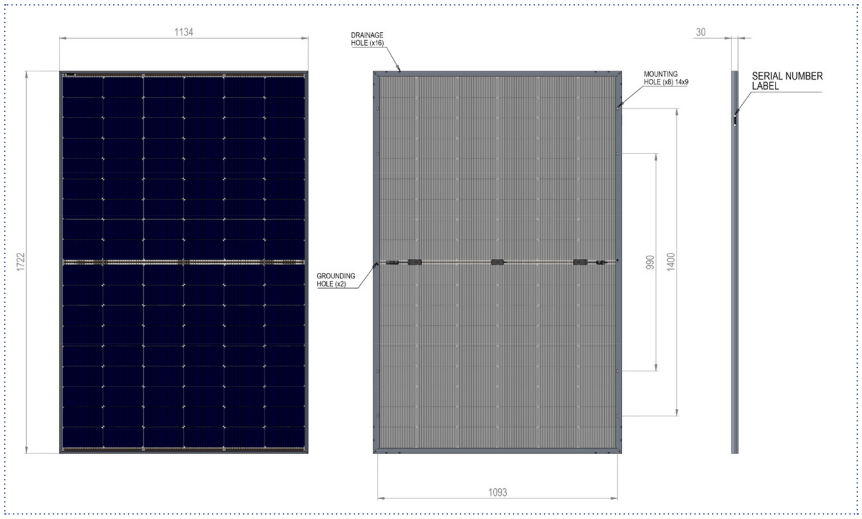
* Irradiance 1000 w/m2, 135W/m^2 e 20°C, WS= 1 m/s

TEMPERATURE COEFFICIENT

Pmax Temperature Coefficient	**-0.289%/ °C**
Voc Temperature Coefficient	**-0.244%/ °C**
Isc Temperature Coefficient	**0.045% / °C**

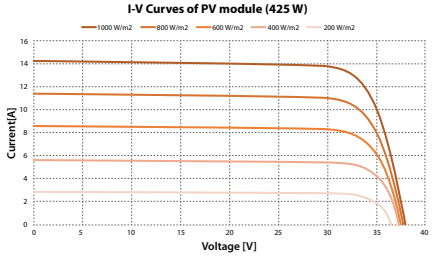
MECHANICAL DATA

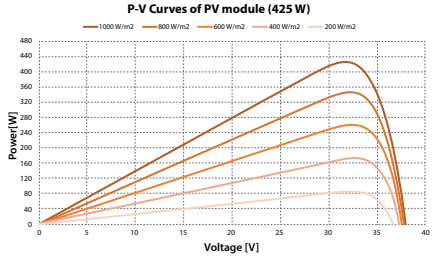
Maximum Load	**5400 Pa**
Dimensions (mm)	**1722 x 1134 x 30**
Weight (Kg)	**24.3**
Solar cells type	**N type Mono**
No. solar cells	**108 (6x18)**
Dim. solar cells	**182x91mm +/-1mm**



GENERAL INFORMATION

Front Glass	**Tempered solar glass 2.0 mm**
Back Glass	**Semi-tempered glass 2.0 mm**
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.