

X-HALF CUT N-TYPE serie TOPCon +

575/595_{Wp}
Power

TOPCon +
Cells tecnology

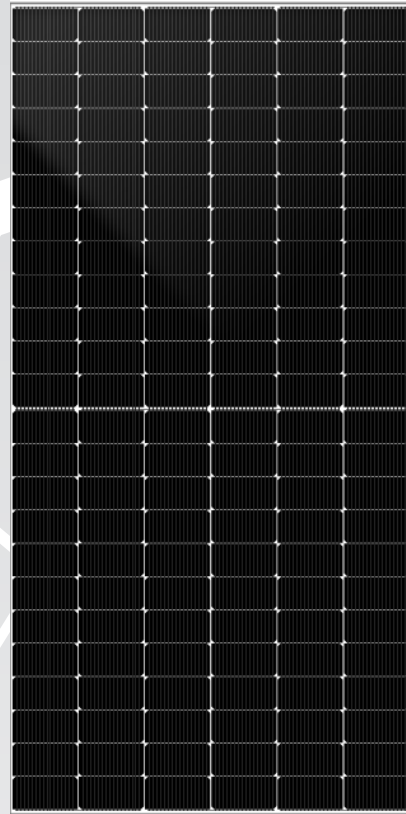
Bifacial
Double Glass

23.03%
Efficiency

2400Pa
Wind load

5400Pa
Snow load

-0.290%/°C
Temperature Coefficient



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:

- **30 years linear power Warranty**
- **99%** at the end of the **1st** year
- **87,4%** at the end of the **30th** year

Product Warranty:

- **15 years product Warranty**

CONFORM TO

| UNI9177 | PV CYCLE | CE |

UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
UNI EN ISO 45001:2018

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

ELECTRICAL DATA (STC)*		XMTG1575CBDW	XMTG1580CBDW	XMTG1585CBDW	XMTG1590CBDW	XMTG1595CBDW
Open circuit Voltage (Voc)		51.20 V	51.40 V	51.60 V	51.80 V	52.00 V
Maximum Power Voltage (Vmp)		43.40 V	43.60 V	43.80 V	44.00 V	44.20 V
Short-circuit current (Isc)		14.08 A	14.14 A	14.20 A	14.26 A	14.32 A
Maximum Power Current (Imp)		13.25 A	13.30 A	13.36 A	13.41 A	13.46 A
Nominal Peak Power (Pmax)		575 Wp	580 Wp	585 Wp	590 Wp	595 Wp
Module Efficiency		22.26%	22.45%	22.65%	22.84%	23.03%
Power output tolerance		0 ~ + 5W				
Maximum voltage		1500 V DC				
Maximum series fuse rating		30 A				
Operating Temperature		- 40°C ~ +85°C				

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

Tolerance electric measurement and Power output ±3%

ELECTRICAL DATA (NOCT)		XMTG1575CBDW	XMTG1580CBDW	XMTG1585CBDW	XMTG1590CBDW	XMTG1595CBDW
Peak Power (Pmax)		432 Wp	436 Wp	440 Wp	444 Wp	447 Wp
Open circuit Voltage (Voc)		48.60 V	48.80 V	49.00 V	49.20 V	49.40 V
Short-circuit current (Isc)		11.37 A	11.42 A	11.46 A	11.51 A	11.56 A
Maximum Power Voltage (Vmp)		41.20 V	41.40 V	41.60 V	41.80 V	42.00 V
Maximum Power Current (Imp)		10.49 A	10.53 A	10.57 A	10.61 A	10.66 A

* Irradiance 800 w/m2, temperature 20°C, AM= 1.5 wind speed 1 m/s

DOUBLESIDE POWER GENERATION PARAMETERS (REAR GAIN)

Potenza di picco (5%) (Pmax)		603.75 Wp	609 Wp	614.25 Wp	619.5 Wp	624.75 Wp
Efficienza del modulo (5%)		23.37 %	23.57%	23.78%	23.98%	24.18%
Potenza di picco (15%) (Pmax)		661 Wp	667 Wp	673 Wp	679 Wp	684 Wp
Efficienza del modulo (15%)		25.60%	25.82%	26.04%	26.27%	26.49%
Potenza di picco (25%) (Pmax)		719 Wp	725 Wp	731 Wp	738 Wp	744 Wp
Efficienza del modulo (25%)		27.82%	28.07%	28.31%	28.55%	28.79%

TEMPERATURE COEFFICIENT

NOCT	45°C±2°C
Pmax Temperature Coefficient	-0.290%/ °C
Voc Temperature Coefficient	-0.250%/ °C
Isc Temperature Coefficient	0.046% / °C

MECHANICAL CHARACTERISTIC

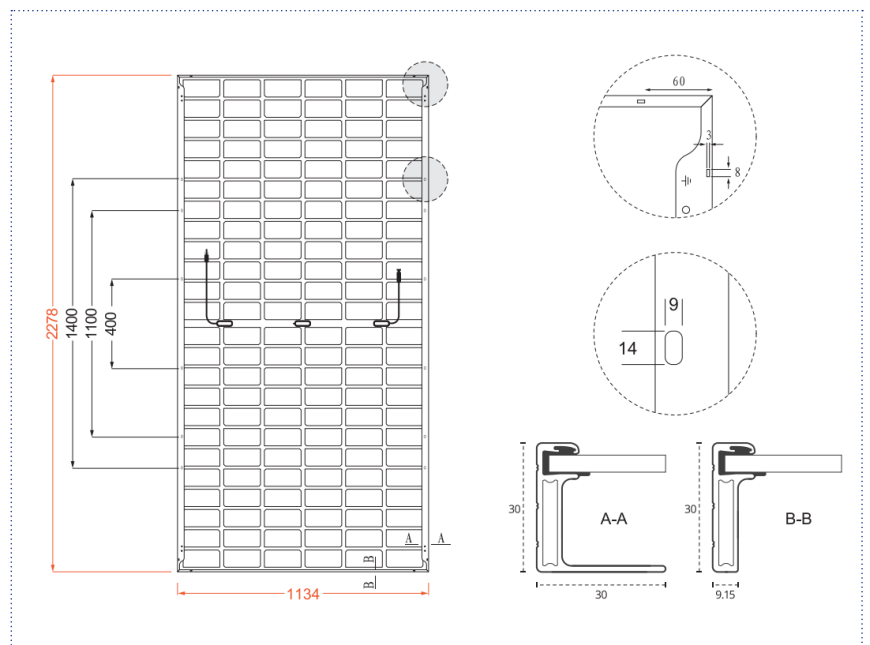
Maximum Load	5400 Pa / 2400 Pa
Dimensions (mm)	2278 x 1134 x 30
Weight (Kg)	30.8
Solar cells type	N type Mono
No. solar cells	144 (6x24)
Cells Dimension (mm)	182 x 91
Bifaciality	80 ± 5%

PACKING CONFIGURATION

Module per Pallet	36 pcs
Modules per container 40'HQ	720 pcs

GENERAL INFORMATION

Glass	2,0 mm high transmission, AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 Bypass diodes
Output Cable	4.0mm², in length 300/200mm (Or Customized Length)
Connectors	MC4 Compatible



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