

X-HALF CUT N-TYPE serie TOPCon

565/580Wp
Power

TOPCon Cells

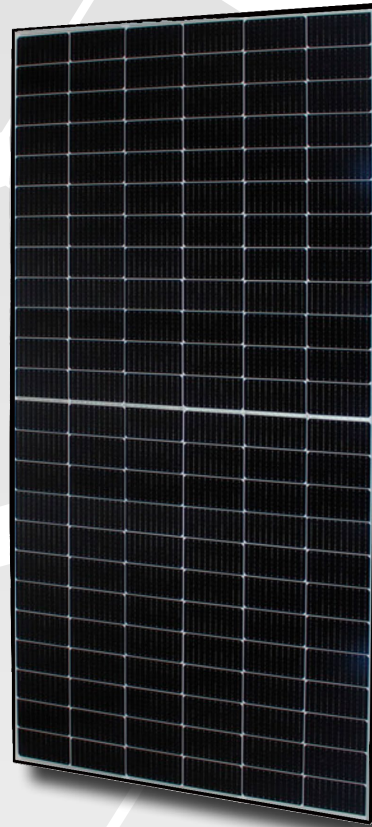
5400 PA
Snow Load

182x91mm
Cell Size

22.48%
efficiency

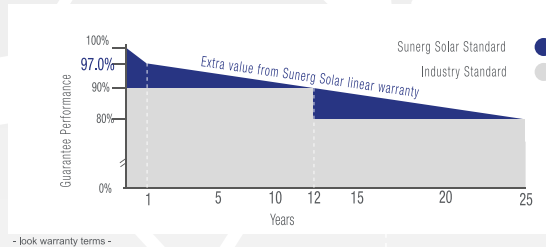
15years
product warranty

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 -

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) | | XMHCTQ565+H | XMHCTQ570+H | XMHCTQ575+H | XMHCTQ580+H |
|----------------------------|--------|-------------|-------------|-------------|------------------|
| Open circuit Voltage | (Voc) | 50.60 V | 50.75 V | 50.90 V | 51.04 V |
| Voltage at Pmax. | (Vmp) | 41.78 V | 41.97 V | 42.15 V | 42.33 V |
| Short-circuit current | (Isc) | 14.32 A | 14.38 A | 14.44 A | 14.50 A |
| Current at Pmax. | (Imp) | 13.53 A | 13.59 A | 13.65 A | 13.71 A |
| Nominal Peak Power | (Pmax) | 565 Wp | 570 Wp | 575 Wp | 580 Wp |
| Module Efficiency | | 21.87% | 22.07% | 22.26% | 22.45% |
| Power output tolerance | | | | | -0 / + 5 |
| 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 CHARACTERISTICS AT NOMINAL MODULE OPERATING TEMPERATURE (NMOT)

| | | | | | |
|-----------------------|--------|---------|---------|---------|---------|
| Peak Power | (Pmax) | 427.8 W | 431.6 W | 435.4 W | 439.2 W |
| Open Circuit Voltage | (Voc) | 48.10 V | 48.20 V | 48.40 V | 48.50 V |
| Short Circuit Current | (Isc) | 11.57 A | 11.62 A | 11.67 A | 11.71 A |
| MPP Voltage | (Vmp) | 39.70 V | 39.90 V | 40.10 V | 40.20 V |
| MPP Current | (Imp) | 10.78 A | 10.82 A | 10.86 A | 10.92 A |

* NMOT (Nominal Module Operating Temperature)

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

TEMPERATURE COEFFICIENT

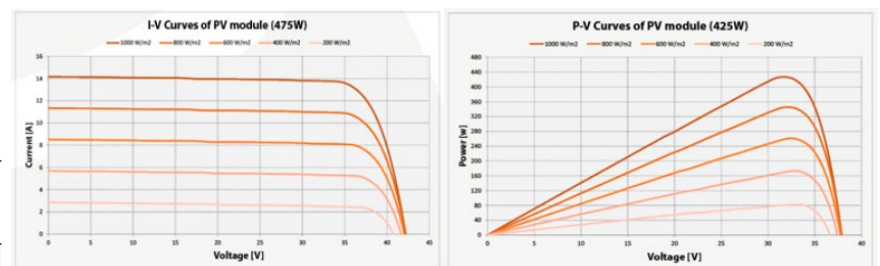
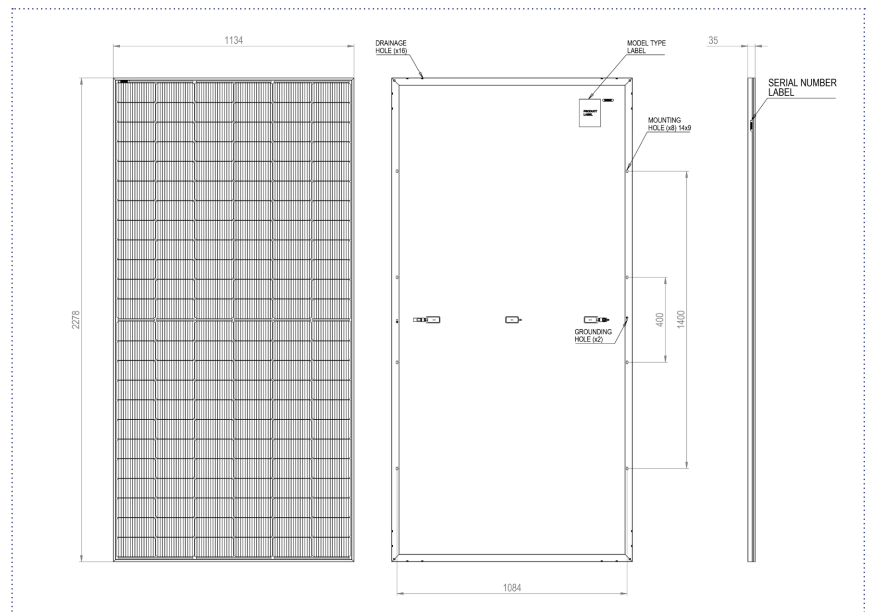
| | |
|------------------------------|---------------------|
| Pmax Temperature Coefficient | -0.316% / °C |
| Voc Temperature Coefficient | -0.249% / °C |
| Isc Temperature Coefficient | 0.045% / °C |

MECHANICAL DATA

| | |
|------------------|-------------------------|
| Maximum Load | 5400 Pa |
| Dimensions (mm) | 2278 x 1134 x 35 |
| Weight (Kg) | 27.0 |
| Solar cells type | N type Mono |
| No. solar cells | 144 (6x24) |
| 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 | 31 pcs. |
| Modules per container 40'HQ | 682 pcs. |

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