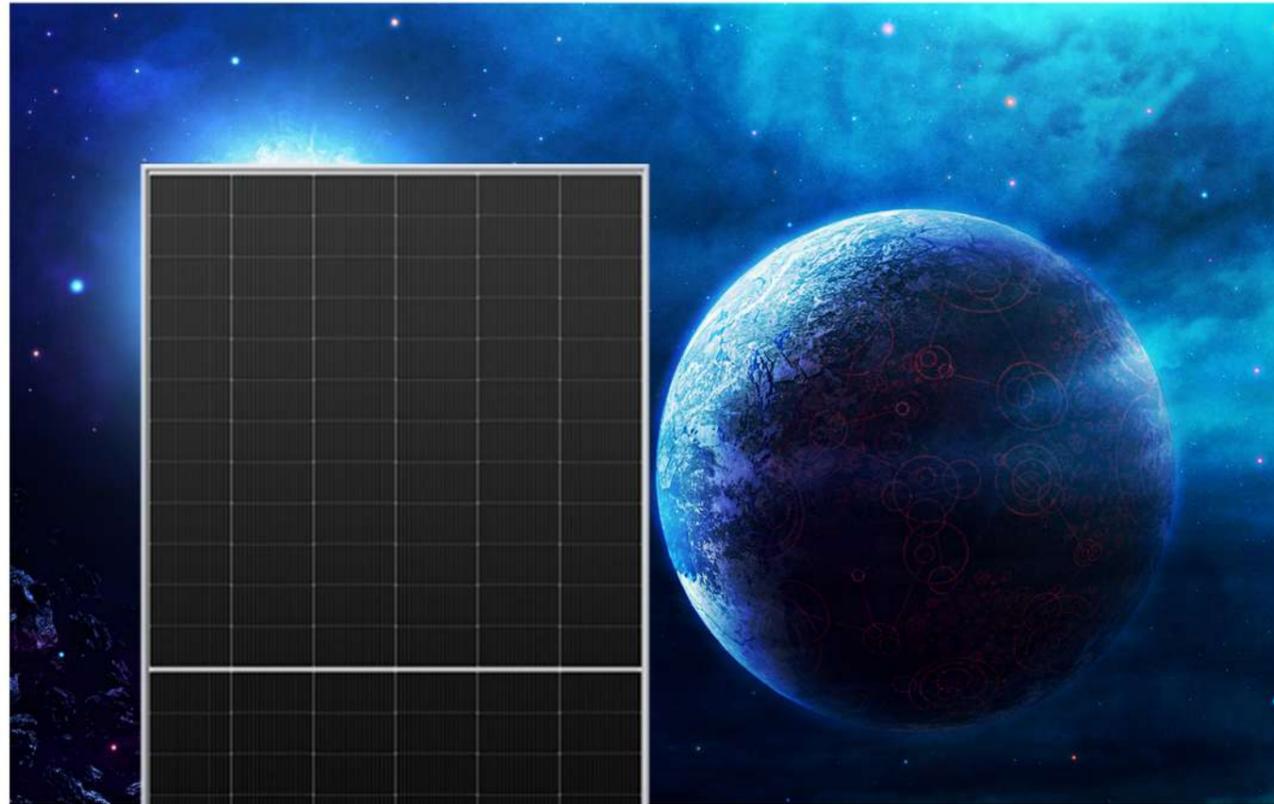
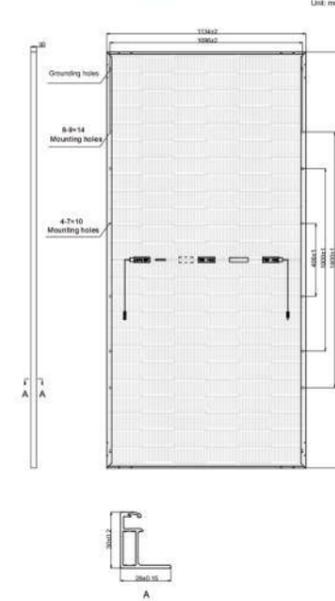


XT N TYPE 182MM TOPCON SERIES



Dimensions of PV Module



ELECTRICAL DATA (STC)

Model Type	XTNTYPE144 570 595HCB					
Rated Power in Watts-Pmax(Wp)	570	575	580	585	590	595
Open Circuit Voltage-Voc(V)	51.77	51.97	52.17	52.37	52.55	52.73
Short Circuit Current-Isc(A)	14.01	14.06	14.12	14.18	14.24	14.30
Maximum Power Voltage-Vmpp(V)	43.40	43.60	43.80	44.00	44.16	44.32
Maximum Power Current-Impp(A)	13.15	13.21	13.26	13.32	13.37	13.43
Module Efficiency (%) *	22.1	22.3	22.5	22.6	22.8	23.0

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Bifacial factor: 80±10(%) * Module Efficiency (%): Rounding to the nearest number

Electrical characteristics with 10% rear side power gain

Model Type	XTNTYPE144 570 595HCB					
Total Equivalent power -Pmax (Wp)	627	633	638	644	649	655
Open Circuit Voltage-Voc(V)	51.77	51.97	52.17	52.37	52.55	52.73
Short Circuit Current-Isc(A)	15.41	15.47	15.53	15.60	15.66	15.73
Maximum Power Voltage-Vmpp(V)	43.40	43.60	43.80	44.00	44.16	44.32
Maximum Power Current-Impp(A)	14.47	14.53	14.59	14.65	14.71	14.77

Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

ELECTRICAL DATA (NMOT)

Model Type	XTNTYPE144 570 595HCB					
Maximum Power-Pmax (Wp)	432.3	436.1	439.8	443.6	447.1	450.7
Open Circuit Voltage-Voc (V)	48.15	48.33	48.52	48.70	48.87	49.04
Short Circuit Current-Isc (A)	11.48	11.53	11.58	11.63	11.68	11.73
Maximum Power Voltage-Vmpp (V)	40.28	40.46	40.65	40.83	40.98	41.13
Maximum Power Current-Impp (A)	10.73	10.78	10.82	10.87	10.91	10.96

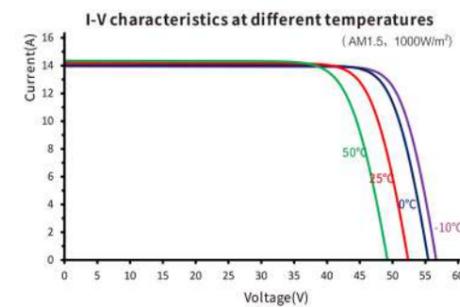
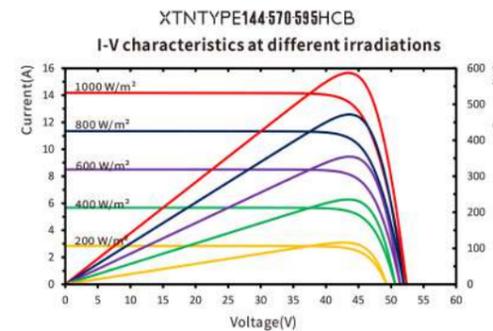
NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	n-type TOPCon
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2278×1134×30mm
Weight	31kg
Superstrate	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)/350mm, Negative(-)/230mm (Connector Included), or customized length
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A
Limiting Reverse Current	30A



PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	860

570-595 Wp **23.0** %

Power Output Range

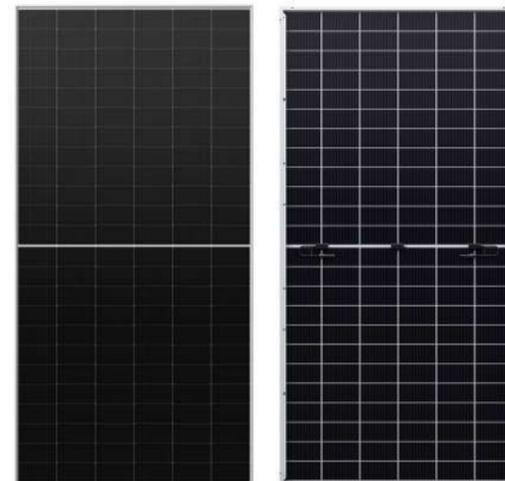
Maximum Efficiency

0~+3 % **1500** VDC

Positive power tolerance

Maximum System Voltage

HIGH PERFORMANCE BIFACIAL MODULE



KEY FEATURES

- Excellent power generation
- Excellent anti-LID & anti-PID performance
- Excellent temperature coefficient (Pmax): -0.29%/°C
- Excellent weak-light performance
- Excellent warranty assurance

