

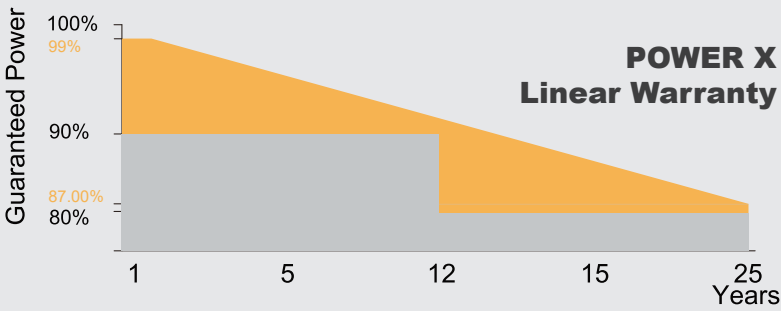
# PXT-555 - 580W

182mm 16BB N-Type TOPCon PV Module

**22.44%**  
MAXIMUM EFFICIENCY

**0.50%**  
YEARLY DEGRADATION

TOPCON HALF CELL



**12** Years  
Material & Craft  
Quality assurance

**12** Years  
95.10% Output  
Power guarantee

**30** Years  
87.40% Output  
Power guarantee



Excellent Low-light Performance



SMBB technology reduce the distance between busbars and finger grid line which is benefit to power increase



High Density Packaging  
0.5mm



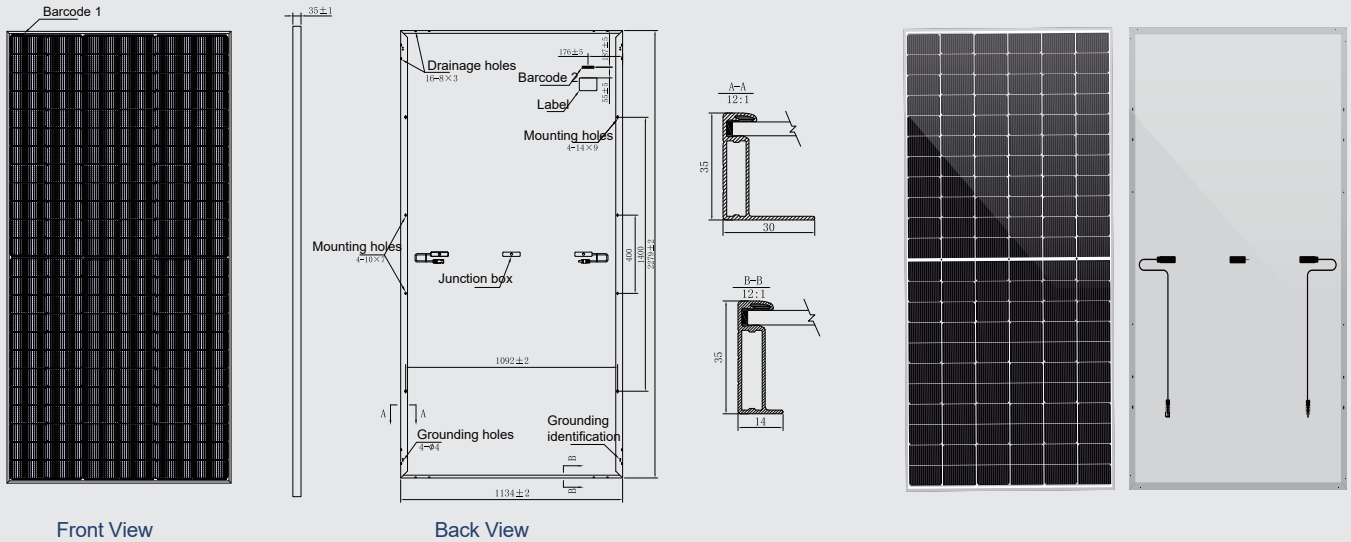
Strengthened Mechanical Load



100% Inspection Guarantee Reliability

**POWER X**





\*Remark: customized frame color and cable length available upon request

**Electrical Characteristics (STC/NOCT)**

Module Type	PXT-555		PXT-560		PXT-565		PXT-570		PXT-575		PXT-580	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	555	418.90	560	422.80	565	426.30	570	430.20	575	433.80	580	437.70
Open Circuit Voltage - Voc(V)	50.40	47.60	50.60	47.70	50.80	47.90	51.00	48.10	51.20	48.30	51.40	48.50
Short- Circuit Current - Isc(A)	14.00	11.30	14.06	11.35	14.12	11.39	14.18	11.44	14.24	11.49	14.30	11.54
Voltage at Pmax -Vmp(V)	41.80	39.40	42.00	39.60	42.20	39.70	42.40	39.90	42.60	40.10	42.80	40.30
Current at Pmax - Imp(A)	13.28	10.64	13.34	10.68	13.39	10.73	13.45	10.77	13.50	10.82	13.56	10.87
Module Efficiency -ηm(%)	21.48 /		21.67 /		21.86 /		22.06 /		22.25 /		22.44 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m<sup>2</sup>, Module Temperature 25±2 C , AM 1.5      NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 C ,AM 1.5, Wind Speed 1m/s

**Mechanical Specifications**

External Dimensions	2279×1134×35 mm (With Frame)
Weight	28±1kg
Solar Cells	N-type Mono crystalline 182mm (6×24)
Front Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4 mm <sup>2</sup> ,350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

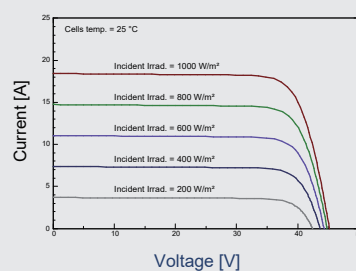
**Packing Configuration**

2279×1134×35 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

**Temperature Characteristics**

Pmax Temperature Coefficient	(-0.30±0.03)%/C
Voc Temperature Coefficient	-0.25%/C
Isc Temperature Coefficient	+0.046%/C
Operating Temperature	-40 C ~+85 C
Nominal Operating Cell Temperature(NOCT)	44 C ±2 C

I-V CURVES OF PV MODULE(575W)



P-V CURVES OF PV MODULE(575W)

