

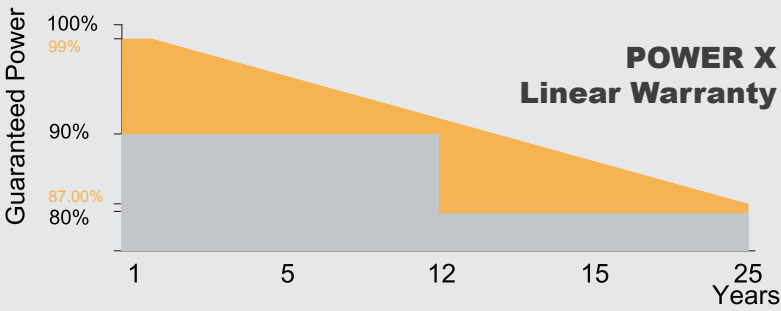
PXT-460 - 485W

182mm 16BB N-Type TOPCon PV Module

22.47%
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



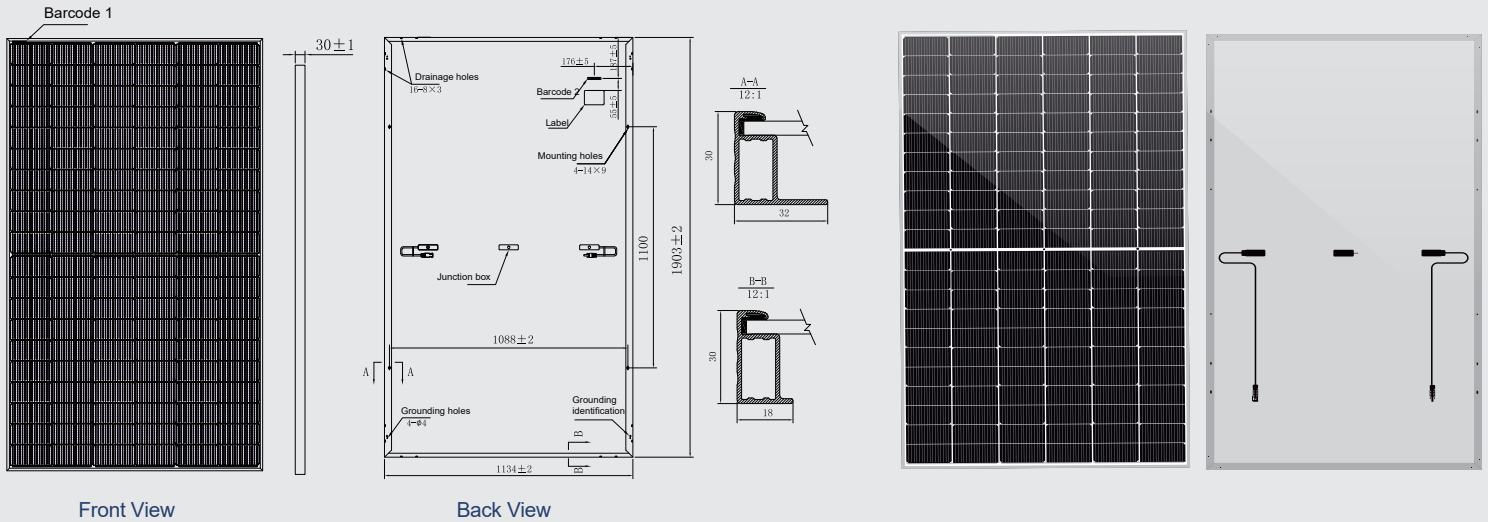
Strengthened Mechanical Load



100% Inspection Guarantee Reliability

POWER X





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

Electrical Characteristics (STC/NOCT)

Module Type	PXT-460		PXT-465		PXT-470		PXT-475		PXT-480		PXT-485	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	460	347.70	465	351.10	470	355.00	475	358.60	480	362.50	485	366.10
Open Circuit Voltage - Voc(V)	41.90	39.50	42.10	39.70	42.30	39.90	42.50	40.10	42.70	40.30	42.90	40.50
Short- Circuit Current - Isc(A)	14.01	11.31	14.07	11.35	14.13	11.40	14.19	11.45	14.25	11.50	14.31	11.55
Voltage at Pmax -Vmp(V)	34.70	32.70	34.90	32.90	35.10	33.10	35.30	33.30	35.50	33.50	35.70	33.70
Current at Pmax - Imp(A)	13.26	10.65	13.33	10.68	13.40	10.73	13.46	10.78	13.53	10.83	13.59	10.88
Module Efficiency -ηm(%)	21.32 /		21.55 /		21.78 /		22.01 /		22.24 /		22.47 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m², Module Temperature 25±2 °C, AM 1.5 NOCT : Irradiance 800W/m², Ambient Temperature 20 °C, AM 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1903×1134×30 mm (With Frame)
Weight	23±1 kg
Solar Cells	N-type Mono crystalline 182mm (6×20)
Front Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4 mm ² , 350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

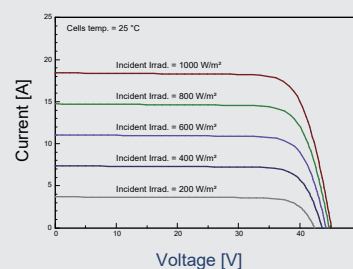
Temperature Characteristics

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

Packing Configuration

1903×1134×30 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	24
Pieces per Container	864

I-V CURVES OF PV MODULE(480W)



P-V CURVES OF PV MODULE(480W)

