

PXTD-460-485W

TOPCON HALF CELL

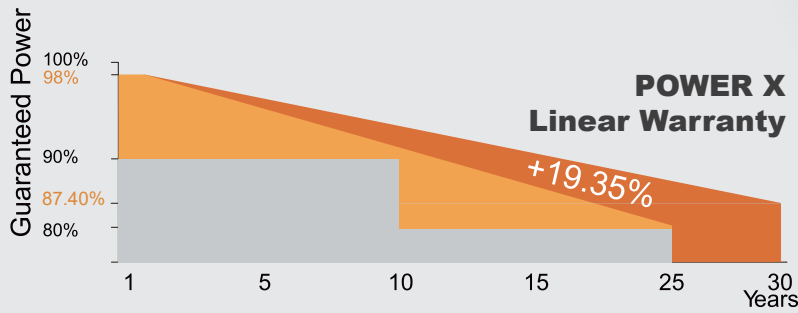
182mm 16BB N-Type TOPCon
Double Glass PV Module

22.47%

MAXIMUM EFFICIENCY

0.40%

YEARLY DEGRADATION



12 Years

MATERIAL & CRAFT
QUALITY ASSURANCE

30 Years

30 YEARS OUTPUT
GUARANTEE



Excellent Low-light Performance



Bifacial Technology up to 25% additional power gain from back side depending on albedo.



16BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



High Density Packaging



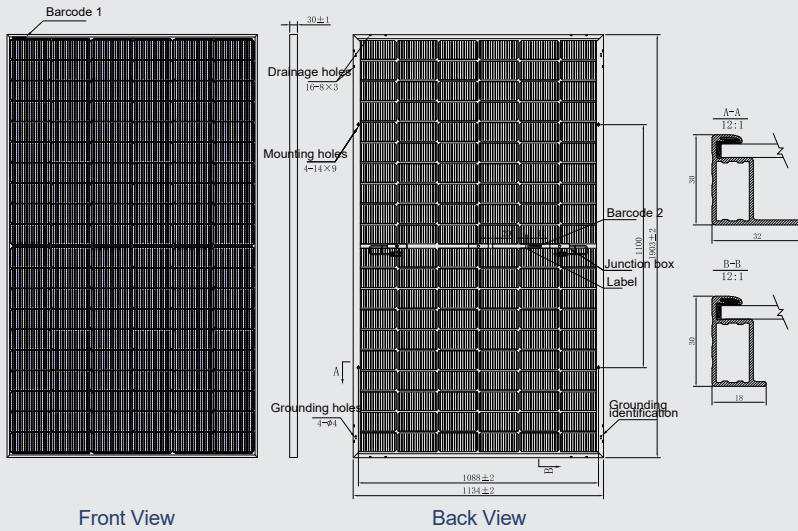
Strengthened Mechanical Load



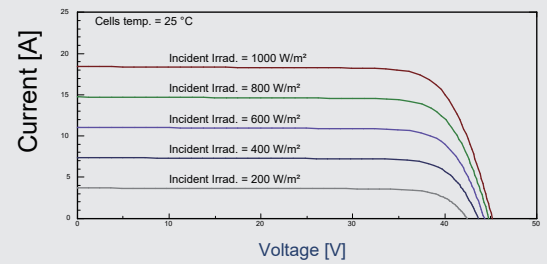
100% Inspection Guarantee Reliability

POWER X

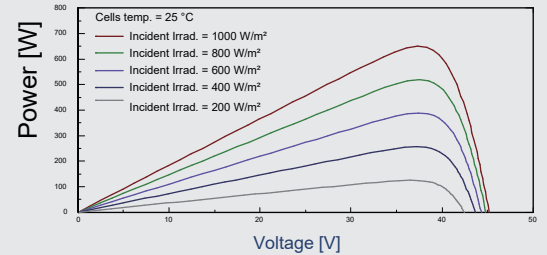




I-V CURVES OF PV MODULE(480W)



P-V CURVES OF PV MODULE(480W)



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

Electrical Characteristics (STC/NOCT)

Module Type	PXTD-460		PXTD-465		PXTD-470		PXTD-475		PXTD-480		PXTD-485	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	460	347.90	465	351.70	470	355.50	475	359.00	480	362.90	485	366.30
Voltage at Pmax -Vmp(V)	34.70	32.70	34.90	32.80	35.10	33.00	35.30	33.20	35.50	33.40	35.70	33.60
Current at Pmax - Imp(A)	13.26	10.65	13.33	10.71	13.40	10.76	13.46	10.82	13.53	10.87	13.59	10.92
Open Circuit Voltage - Voc(V)	42.00	39.60	42.20	39.80	42.40	40.00	42.60	40.20	42.80	40.40	43.00	40.60
Short- Circuit Current - Isc(A)	14.03	11.32	14.10	11.38	14.17	11.44	14.24	11.49	14.31	11.55	14.38	11.60
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)	30 A											

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	26.5±1.0 kg
Solar Cells	Mono crystalline 182mm (6×20)
Front Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction Box	IP 68, 3 diodes
Output Cables	4 mm², 350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Bifacial Output Real Side Power Gain

Front power Pmax/W	460	465	470	475	480	485
Total power Pmax/W	575	581	588	594	600	606
Vmp/V(Total)	34.80	35.00	35.20	35.40	35.60	35.80
Imp/A(Total)	16.52	16.61	16.69	16.77	16.85	16.93
Voc/V(Total)	42.10	41.30	41.50	41.70	42.90	43.10
Isc/A(Total)	17.48	17.57	17.65	17.74	17.83	17.92

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