

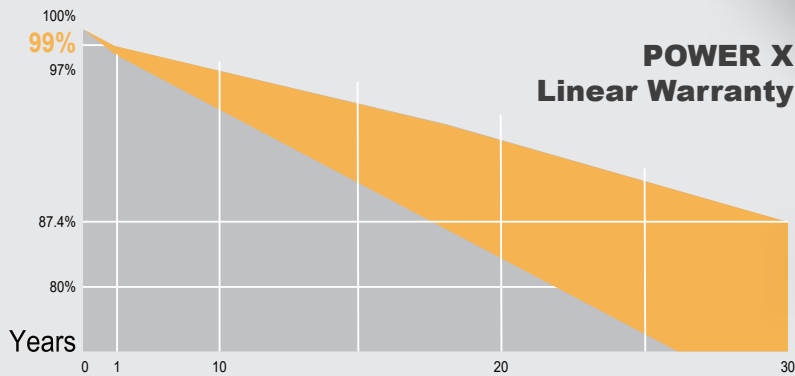
PXBTD-410-430W

182mm 16BB All Black N-Type TOPCon PV Module

22.00%
MAXIMUM EFFICIENCY

0.50%
YEARLY DEGRADATION

TOPCON HALF CELL



12 Years
Material & Craft
Quality assurance

12 Years
95.1% Output
Power guarantee

30 Years
87.4% Output
Power guarantee



Excellent Low-light Performance



100% Inspection Guarantee Reliability



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



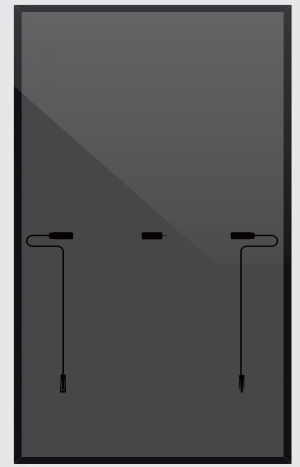
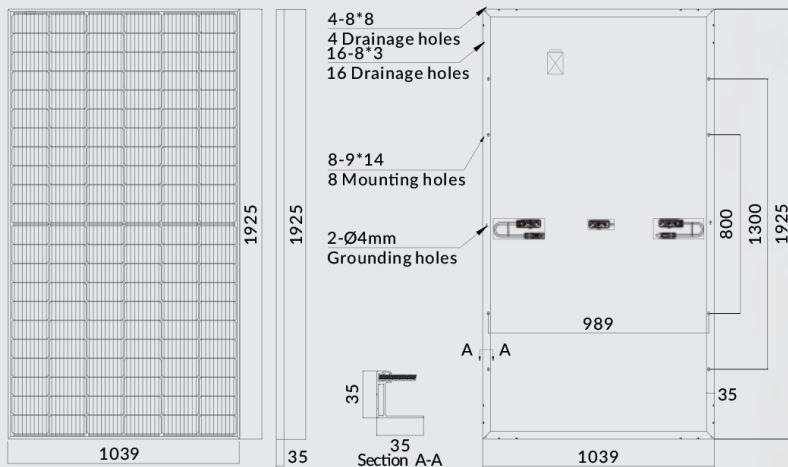
High Density Packaging



Strengthened Mechanical Load

POWER X





Electrical Characteristics (STC/NOCT)

Module Type	PXBTD-410		PXB2-415		PXB2-420		PXB2-425		PXB2-430	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	410	313.5	415	317.3	420	321.1	425	325.0	430	328.7
Open Circuit Voltage - Voc(V)	38.20	36.30	38.33	36.40	38.46	36.50	38.59	36.60	38.72	36.80
Short- Circuit Current - Isc(A)	13.93	11.23	14.01	11.30	14.09	11.36	14.17	11.42	14.25	11.49
Voltage at Pmax -Vmp(V)	31.59	29.60	31.78	29.70	31.96	29.90	32.15	30.00	32.33	30.20
Current at Pmax - Imp(A)	12.98	10.60	13.06	10.68	13.14	10.75	13.22	10.82	13.30	10.89
Module Efficiency - η m(%)	21.00	/	21.30	/	21.50	/	21.80	/	22.00	/
Power Tolerance(W)	(0, +5W)									
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	1722 x 1134 x 30 mm (With Frame)
Weight	23.4kg
Solar Cells	N-Type 16BB 182mm (2x54)
Front Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

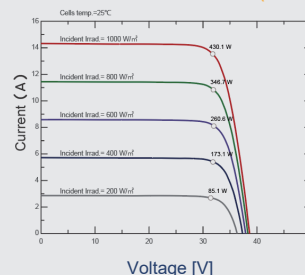
Temperature Characteristics

Pmax Temperature Coefficient	-0.29%/C
Voc Temperature Coefficient	-0.25%/C
Isc Temperature Coefficient	+0.045%/C
Operating Temperature	-40~+85 C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration

1722 x 1134 x 30 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

I-V CURVES OF PV MODULE(430W)



P-V CURVES OF PV MODULE(430W)

