

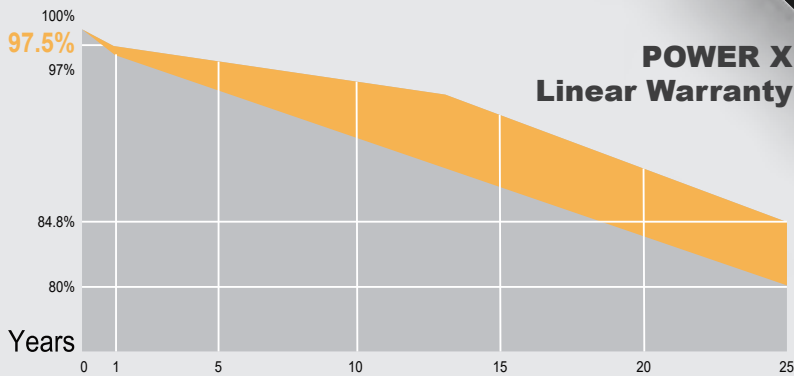
PXB2-400-420W

182mm 132Cells MBB All Black PV Solar Module

21.50%
MAXIMUM EFFICIENCY

0.55%
YEARLY DEGRADATION

PERC HALF CUT CELL



12 Years
Material & Craft
Quality assurance

12 Years
90% Output
Power guarantee

25 Years
80% Output
Power guarantee



Excellent Low-light Performance



100% Inspection Guarantee Reliability



10BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



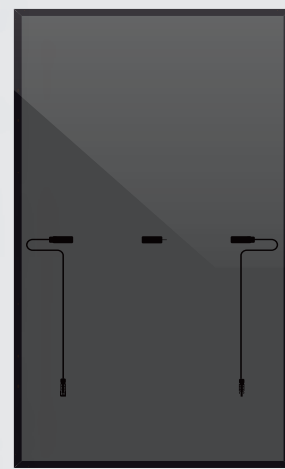
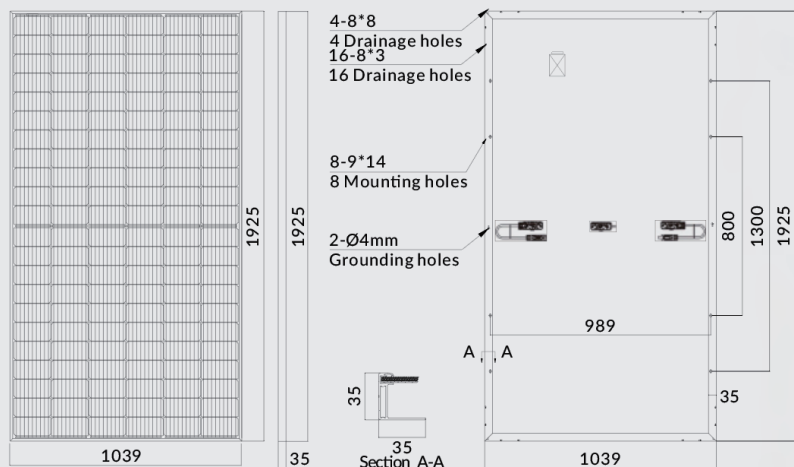
High Density Packaging



Strengthened Mechanical Load

POWER X





Electrical Characteristics (STC/NOCT)

Module Type	PXB2-400		PXB2-405		PXB2-410		PXB2-415		PXB2-420	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	400	302	405	306	410	310	415	314	420	318
Open Circuit Voltage - Voc(V)	37.14	34.88	37.23	35.12	37.32	35.36	37.41	35.60	37.50	35.84
Short- Circuit Current - Isc(A)	13.79	11.03	13.87	11.03	13.95	11.16	14.03	11.22	14.11	11.28
Voltage at Pmax -Vmp(V)	31.01	29.26	31.21	29.26	31.45	29.68	31.69	29.89	31.93	30.10
Current at Pmax - Imp(A)	12.90	10.32	12.98	10.32	13.04	10.43	13.10	10.50	13.16	10.57
Module Efficiency - η m(%)	20.48%/		20.74%/		21.00%/		21.25%/		21.50%/	
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	20.5 kg
Solar Cells	Mono crystalline 182mm (6X18)
Front Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4 mm ² , 300 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

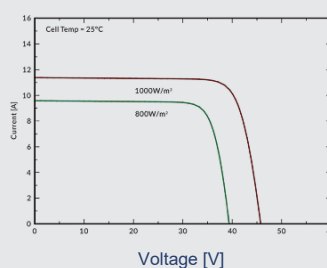
Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/°C
Voc Temperature Coefficient	-0.28%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	40°C to +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(410W)



P-V CURVES OF PV MODULE(410W)

