

PXD1-395-420W

166mm 9BB Double Glass PV Module

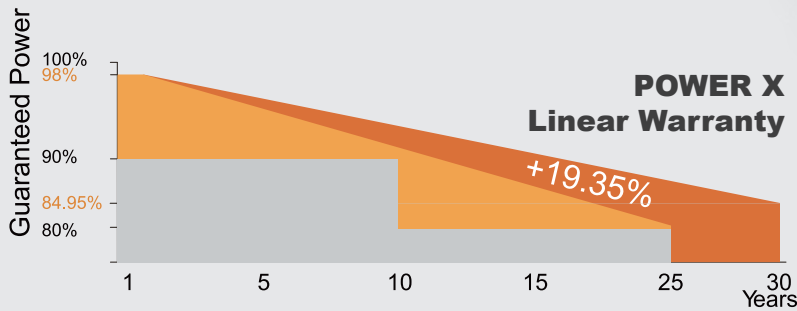
21.03%

MAXIMUM EFFICIENCY

0.45%

YEARLY DEGRADATION

PERC HALF CUT CELL



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.



9BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



High Density Packaging



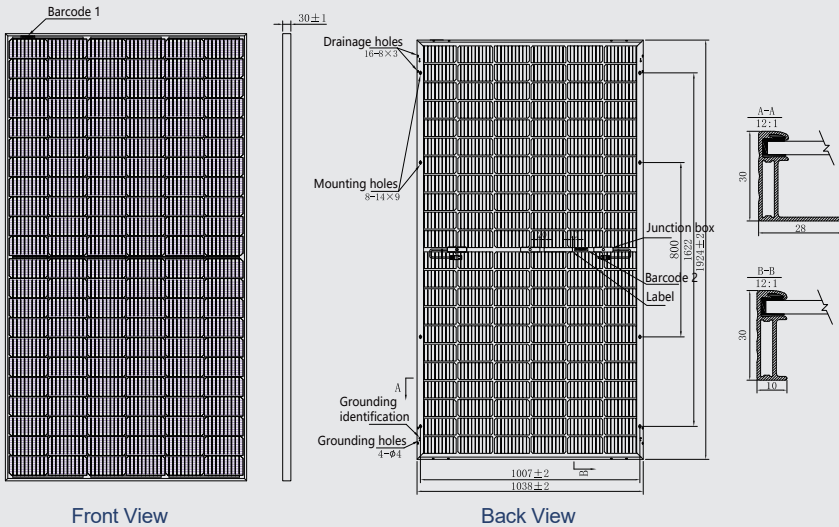
Strengthened Mechanical Load



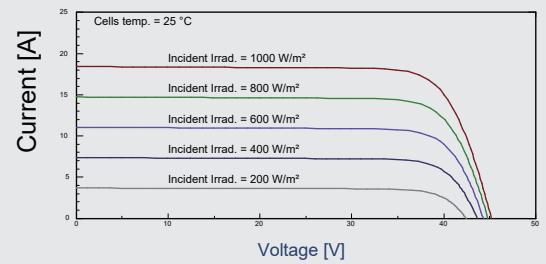
100% Inspection Guarantee Reliability

POWER X

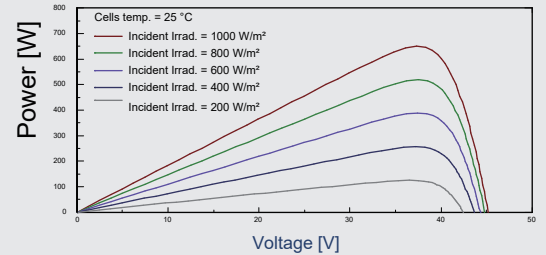




I-V CURVES OF PV MODULE(405W)



P-V CURVES OF PV MODULE(405W)



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

Electrical Characteristics (STC/NOCT)

Module Type	PXD1-395		PXD1-400		PXD1-405		PXD1-410		PXD1-415		POXS1-420	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	395	295.10	400	298.60	405	302.40	410	305.90	415	309.7	420	313.30
Voltage at Pmax -Vmp(V)	37.90	35.20	38.10	35.30	38.30	35.50	38.50	35.70	38.70	35.90	38.90	36.10
Current at Pmax - Imp(A)	10.43	8.39	10.50	8.45	10.58	8.52	10.65	8.57	10.73	8.63	10.80	8.69
Open Circuit Voltage - Voc(V)	45.80	42.70	46.00	42.90	46.20	43.10	46.40	43.30	46.60	43.40	46.80	43.60
Short- Circuit Current - Isc(A)	11.06	8.93	11.14	9.00	11.22	9.06	11.29	9.12	11.37	9.18	11.44	9.24
Module Efficiency -ηm(%)	19.78 /		20.03 /		20.28 /		20.53 /		20.78 /		21.03 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25 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	1924×1038×30 mm (With Frame)
Weight	24.5±1.0 kg
Solar Cells	Mono crystalline 166mm (6×22)
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

Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/°C
Voc Temperature Coefficient	-0.29%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	-40°C ~ +85°C
Nominal Operating Cell Temperature(NOCT)	44°C ±2°C

Bifacial Output Real Side Power Gain

Front power Pmax/W	395	400	405	410	415	420
Total power Pmax/W	494	500	506	513	519	525
Vmp/V(Total)	38.00	38.20	38.40	38.60	38.80	39.00
Imp/A(Total)	12.99	13.09	13.18	13.28	13.37	13.46
Voc/V(Total)	45.90	46.10	46.30	46.50	46.70	46.90
Isc/A(Total)	13.78	13.89	13.98	14.08	14.17	14.26

Packing Configuration

	1755×1038×35 mm (With Frame)
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	24
Pieces per Container	864