

PXD1-435-460W

166mm 9BB Double Glass PV Module

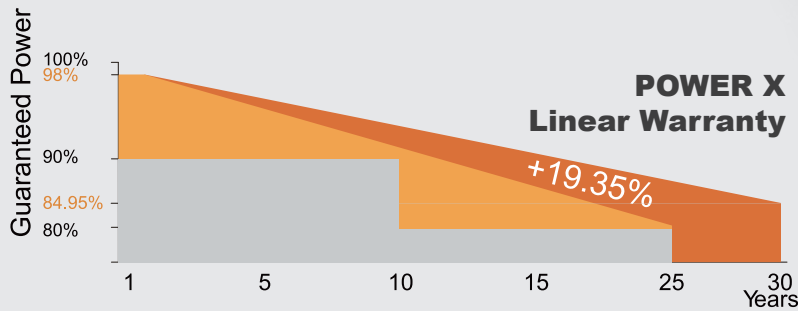
21.16%

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



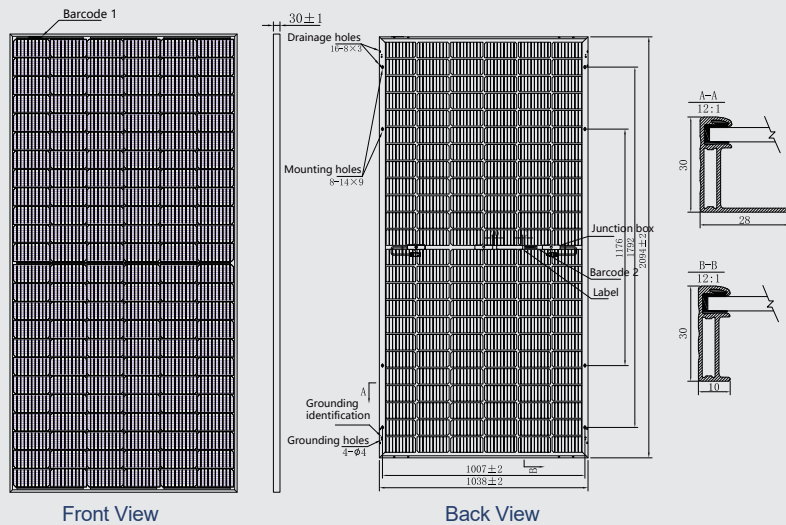
Strengthened Mechanical Load



100% Inspection Guarantee Reliability

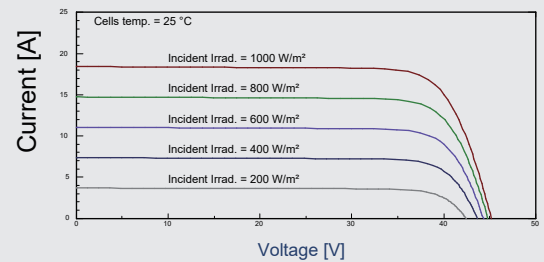
POWER X



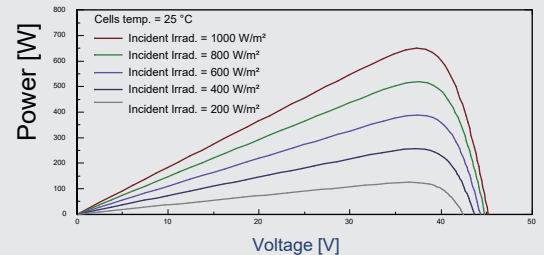


*Remark: customized frame color and cable length available upon request

I-V CURVES OF PV MODULE(440W)



P-V CURVES OF PV MODULE(440W)



Electrical Characteristics (STC/NOCT)

Module Type	PXD1-435		PXD1-440		PXD1-445		PXD1-450		PXD1-455		PXD1-460	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	435	326.30	440	329.90	445	333.60	450	337.10	455	340.80	460	344.50
Voltage at Pmax -Vmp(V)	41.50	38.00	41.70	38.20	41.90	38.40	42.10	38.60	42.30	38.70	42.50	38.90
Current at Pmax - Imp(A)	10.49	8.58	10.56	8.63	10.63	8.69	10.69	8.74	10.76	8.80	10.83	8.85
Open Circuit Voltage - Voc(V)	49.90	46.60	50.10	46.80	50.30	46.90	50.50	47.10	50.70	47.30	50.90	47.50
Short- Circuit Current - Isc(A)	11.37	9.18	11.44	9.24	11.51	9.30	11.58	9.35	11.65	9.41	11.72	9.46
Module Efficiency - η_m (%)	20.01	/	20.24	/	20.47	/	20.70	/	20.93	/	21.16	/
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	2094×1038×30 mm (With Frame)
Weight	26.5±1.0 kg
Solar Cells	Mono crystalline 166mm (6×24)
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 mm ² , 350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.36%/°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	435	440	445	450	455	460
Total power Pmax/W	544	550	556	563	569	575
Vmp/V(Total)	41.60	41.80	42.00	42.20	42.40	42.60
Imp/A(Total)	13.08	13.16	13.24	13.33	13.41	13.50
Voc/V(Total)	50.00	50.20	50.40	50.60	50.80	51.00
Isc/A(Total)	13.73	13.81	13.89	14.44	14.52	14.61

Packing Configuration

2094×1038×30 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	22
Pieces per Container	792