

PXD3-645-670W

210mm 12BB Double Glass PV Module

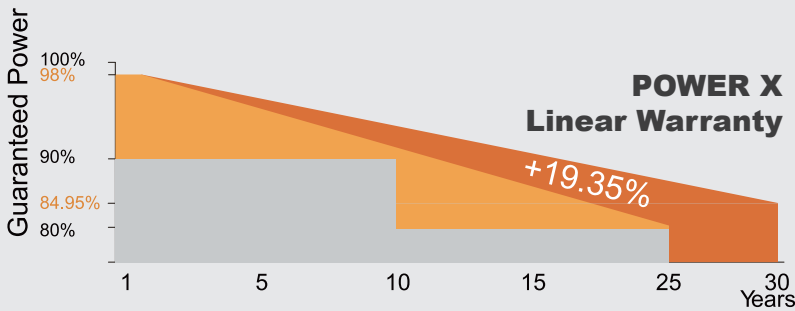
21.57%

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.



12BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



High Density Packaging



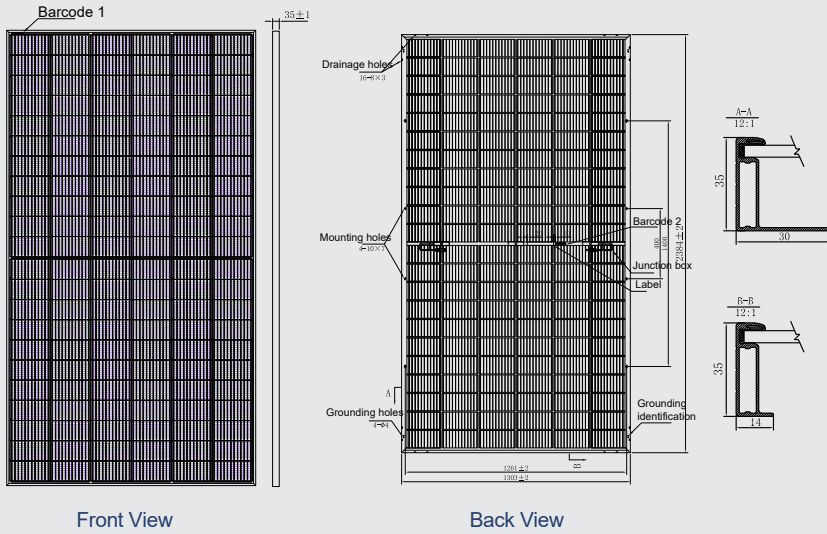
Strengthened Mechanical Load



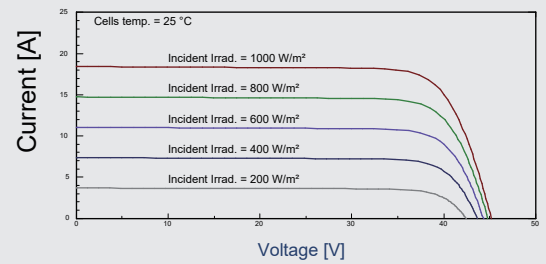
100% Inspection Guarantee Reliability

POWER X

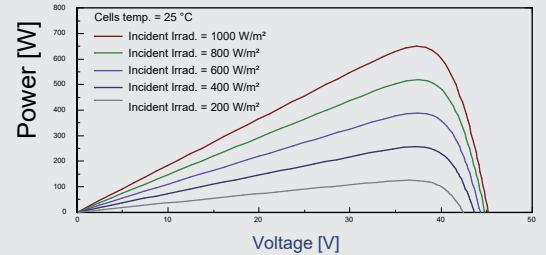




I-V CURVES OF PV MODULE(650W)



P-V CURVES OF PV MODULE(650W)



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

Electrical Characteristics (STC/NOCT)

Module Type	PXD3-645		PXD3-650		PXD3-655		PXD3-660		PXD3-665		PXD3-670	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	645	484.90	650	488.60	655	492.30	660	496.10	665	499.80	670	503.60
Voltage at Pmax -Vmp(V)	37.50	35.00	37.70	35.20	37.90	35.40	38.10	35.60	38.30	35.70	38.50	35.90
Current at Pmax - Imp(A)	17.21	13.84	17.25	13.88	17.29	13.92	17.33	13.95	17.37	13.99	17.41	14.03
Open Circuit Voltage - Voc(V)	45.00	42.30	45.20	42.40	45.40	42.60	45.60	42.80	45.80	43.00	46.00	43.20
Short- Circuit Current - Isc(A)	18.22	14.71	18.27	14.75	18.32	14.79	18.37	14.83	18.42	14.87	18.47	14.91
Module Efficiency -ηm(%)	20.76 /		20.92 /		21.09 /		21.25 /		21.41 /		21.57 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	35 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	2384×1303×35 mm (With Frame)
Weight	38.5±1.0 kg
Solar Cells	Mono crystalline 210mm (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

Bifacial Output Real Side Power Gain

Front power Pmax/W	645	650	655	660	665	670
Total power Pmax/W	806	813	819	825	831	838
VmpV(Total)	37.60	37.80	38.00	38.20	38.40	38.60
ImpA(Total)	21.44	21.49	21.55	21.60	21.65	21.70
VocV(Total)	45.10	45.30	45.50	45.70	45.90	46.10
IscA(Total)	22.70	22.77	22.83	22.89	22.96	23.02

Temperature Characteristics

Pmax Temperature Coefficient	-0.34%/°C
Voc Temperature Coefficient	-0.29%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	-40°C ~ +85°C
Nominal Operating Cell Temperature(NOCT)	43°C ±2°C

Packing Configuration

2384×1303×35 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	18
Pieces per Container	558