

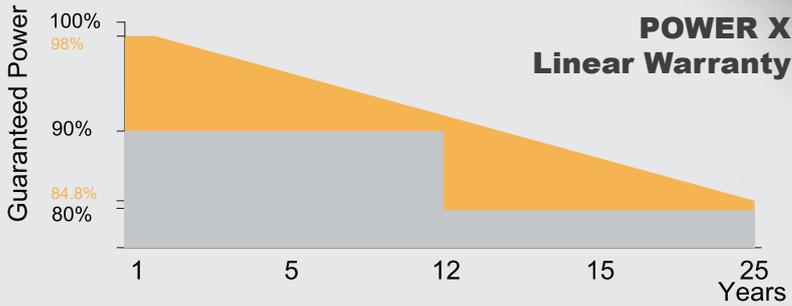
PX3-585 - 610W

210mm 120Cells MBB PV Solar Module

21.55%
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



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



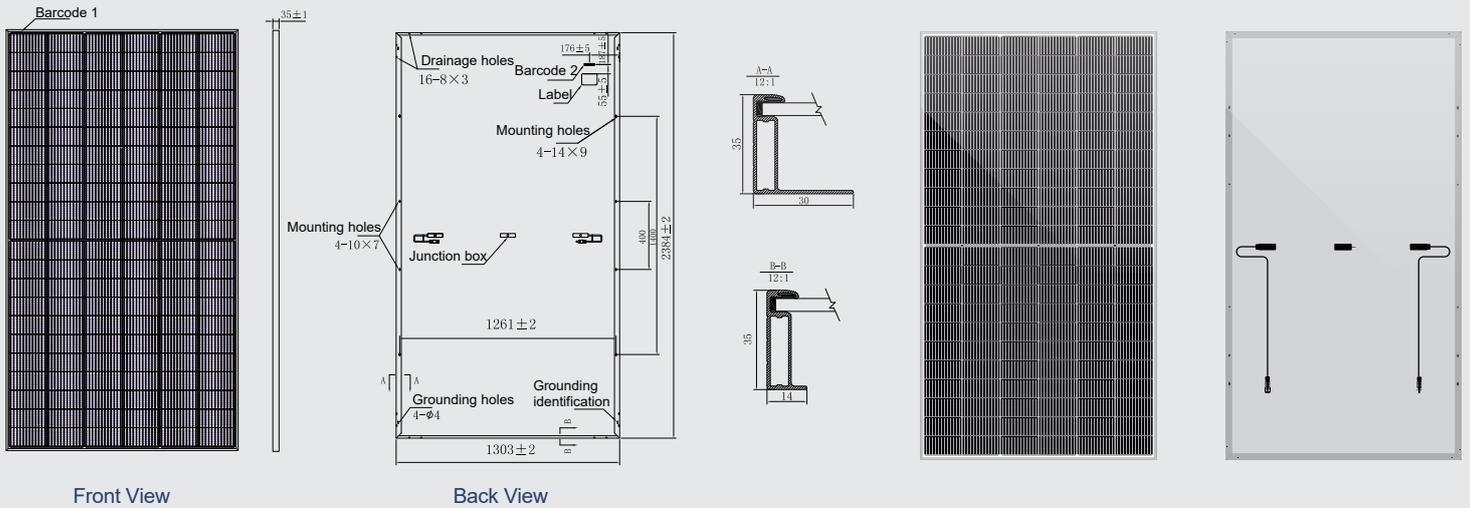
High Density Packaging



Strengthened Mechanical Load

POWER X





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

Electrical Characteristics (STC/NOCT)

Module Type	PX3-585		PX3-590		PX3-595		PX3-600		PX3-605		PX3-610	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	585	439.80	590	443.70	595	447.30	600	451.20	605	454.90	610	458.50
Open Circuit Voltage - Voc(V)	40.90	38.40	41.10	38.60	41.30	38.80	41.50	39.00	41.70	39.20	41.90	39.30
Short- Circuit Current - Isc(A)	18.23	14.71	18.27	14.75	18.31	14.78	18.35	14.81	18.39	14.84	18.43	14.88
Voltage at Pmax -Vmp(V)	33.80	31.80	34.00	31.90	34.20	32.10	34.40	32.30	34.60	32.50	34.80	32.70
Current at Pmax - Imp(A)	17.31	13.85	17.36	13.89	17.40	13.92	17.45	13.96	17.49	13.99	17.53	14.02
Module Efficiency -ηm(%)	20.67 /		20.85 /		21.02 /		21.20 /		21.38 /		21.55 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	30A											

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	2172×1303×35 mm (With Frame)
Weight	30.5 ±1.0 kg
Solar Cells	Mono crystalline 210mm (6×20)
Front Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4 mm ² , 350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

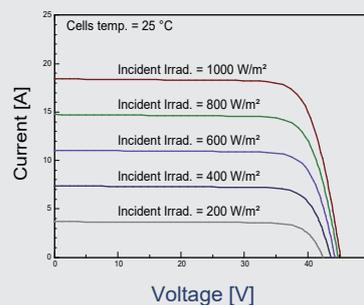
Packing Configuration

2172×1303×35 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	18
Pieces per Container	558

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

I-V CURVES OF PV MODULE(595W)



P-V CURVES OF PV MODULE(595W)

