

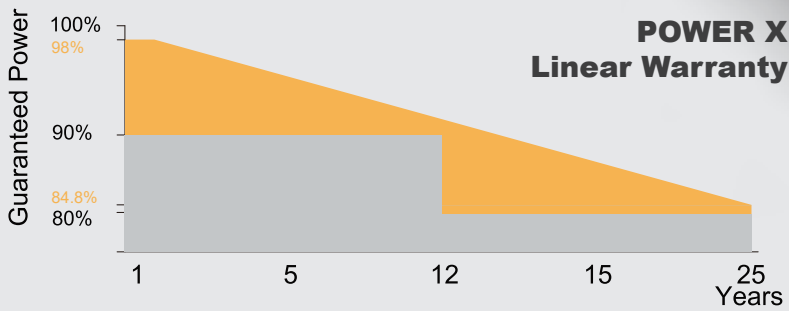
PX3-645 - 670W

210mm 132Cells MBB PV Solar Module

21.60%
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



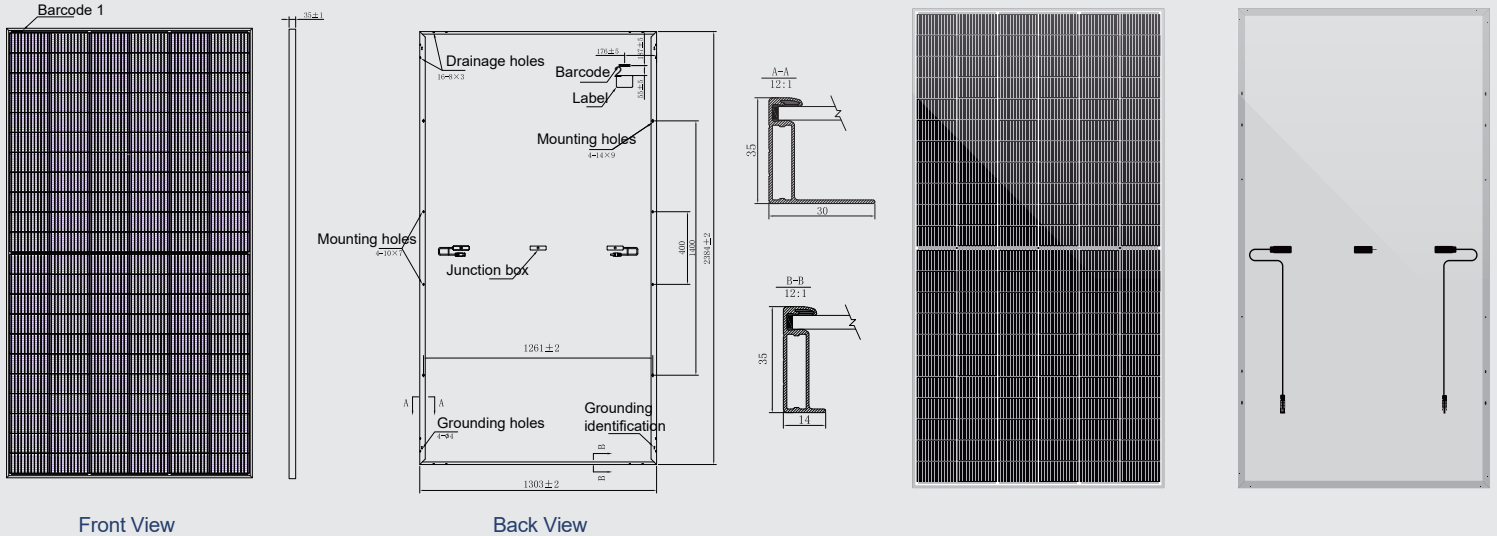
High Density Packaging



Strengthened Mechanical Load

POWER X





Front View

Back View

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

Electrical Characteristics (STC/NOCT)

Module Type	PX3-645		PX3-650		PX3-655		PX3-660		PX3-665		PX3-670	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	645	484.80	650	488.50	655	492.50	660	496.30	665	499.80	670	503.60
Open Circuit Voltage - Voc(V)	45.00	42.30	45.20	42.50	45.40	42.60	45.60	42.80	45.80	43.00	46.00	43.20
Short- Circuit Current - Isc(A)	18.37	14.83	18.42	14.87	18.47	14.91	18.52	14.95	18.57	14.99	18.62	15.03
Voltage at Pmax -Vmp(V)	37.20	34.80	37.40	35.00	37.60	35.20	31.60	35.30	38.00	35.50	38.20	35.70
Current at Pmax - Imp(A)	17.34	13.92	17.38	13.96	17.43	14.00	17.41	14.04	17.50	14.08	17.54	14.12
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)	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	2384×1303×35 mm (With Frame)
Weight	33.5 ±1.0 kg
Solar Cells	Mono crystalline 210mm (6×22)
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

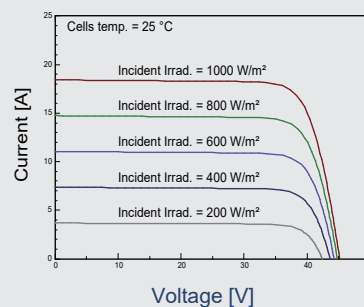
Packing Configuration

	2384×1303×35 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(650W)



P-V CURVES OF PV MODULE(650W)

