

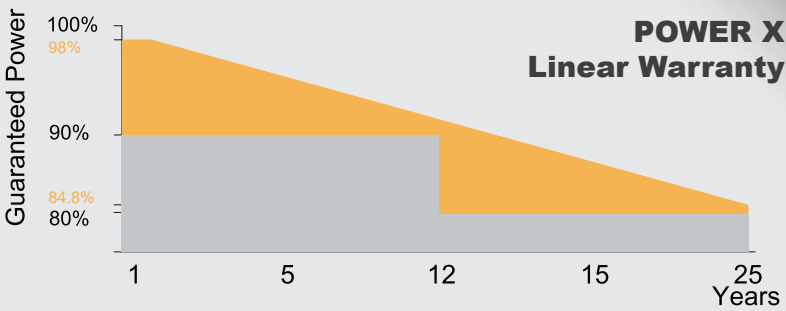
PX1-395 -420W

166mm 132Cells MBB PV Solar Module

21.03%
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



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



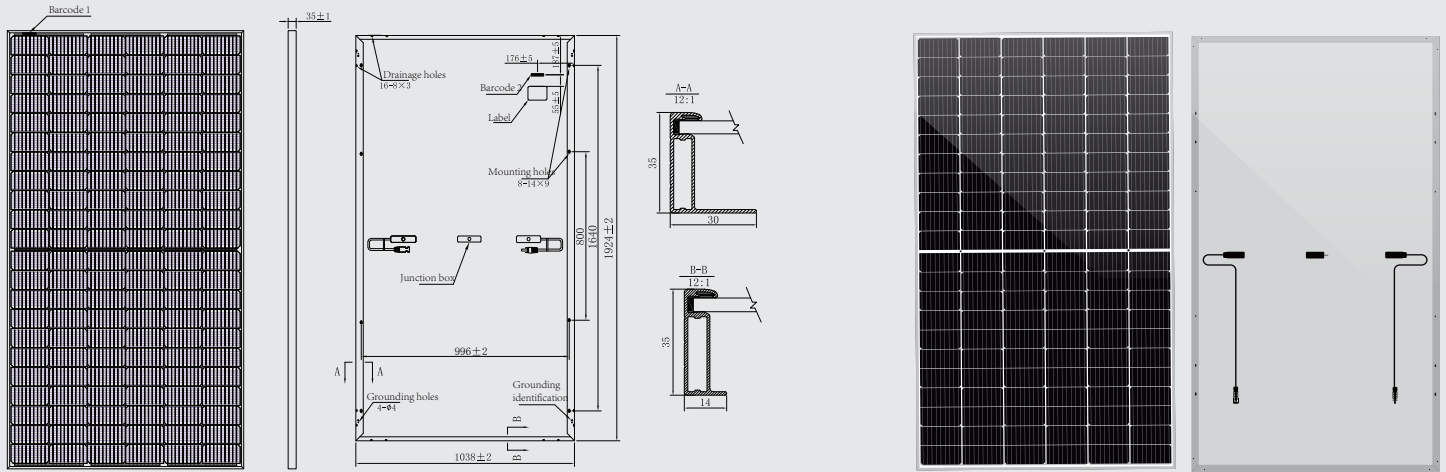
High Density Packaging



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	PX1-395		PX1-400		PX1-405		PX1-410		PX1-415		PX1-420	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	395	294.10	400	297.90	405	301.70	410	305.20	415	309.00	420	312.50
Open Circuit Voltage - Voc(V)	44.30	41.30	44.50	41.50	44.70	41.70	44.90	41.80	45.10	42.00	45.30	42.20
Short- Circuit Current - Isc(A)	11.24	9.08	11.32	9.14	11.40	9.21	11.47	9.26	11.54	9.32	11.61	9.38
Voltage at Pmax -Vmp(V)	37.20	34.40	37.40	34.60	37.60	34.80	37.80	35.00	38.00	35.20	38.20	35.40
Current at Pmax - Imp(A)	10.62	8.54	10.70	8.60	10.78	8.66	10.85	8.72	10.93	8.77	11.00	8.83
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)	20A											

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	1924×1038×35 mm (With Frame)
Weight	21.5±1.0 kg
Solar Cells	Mono crystalline 166mm (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

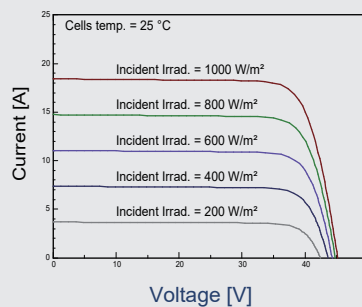
Temperature Characteristics

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

Packing Configuration

1924×1038×35 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	24
Pieces per Container	744

I-V CURVES OF PV MODULE(405W)



P-V CURVES OF PV MODULE(405W)

