

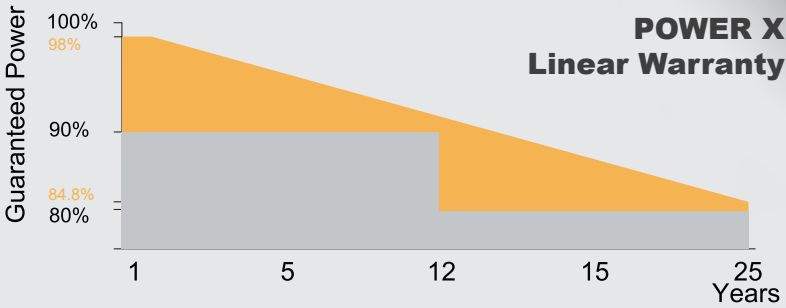
# PX2-440 - 465W

182mm 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



10BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



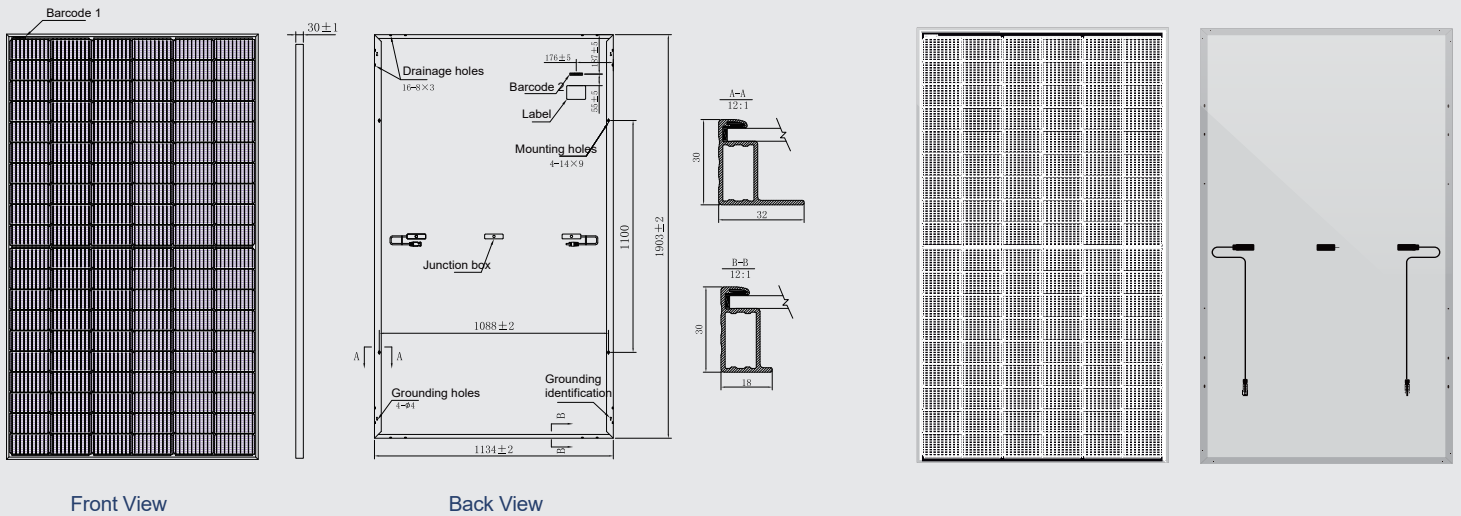
High Density Packaging



Strengthened Mechanical Load

**POWER X**





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

## Electrical Characteristics (STC/NOCT)

Module Type	PX2-440		PX2-445		PX2-450		PX2-455		PX2-460		PX2-465	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	440	328.90	445	332.60	450	336.40	455	340.10	460	343.80	465	347.40
Open Circuit Voltage - Voc(V)	41.00	38.30	41.20	38.50	41.40	38.70	41.60	38.90	41.80	39.00	42.00	39.20
Short- Circuit Current - Isc(A)	13.64	11.02	13.71	11.07	13.78	11.13	13.85	11.18	13.92	11.24	13.99	11.30
Voltage at Pmax -Vmp(V)	34.10	31.70	34.30	31.90	34.50	32.10	34.70	32.30	34.90	32.50	35.10	32.60
Current at Pmax - Imp(A)	12.91	10.37	12.98	10.43	13.05	10.48	13.12	10.54	13.19	10.59	13.25	10.64
Module Efficiency -ηm(%)	20.39 /		20.62 /		20.85 /		21.08 /		21.32 /		21.55 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m<sup>2</sup>, Module Temperature 25±2 °C, AM 1.5      NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, AM 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	1903×1134×30 mm (With Frame)
Weight	23±1 kg
Solar Cells	Mono crystalline 182mm (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 <sup>2</sup> , 350 mm (With Connectors)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

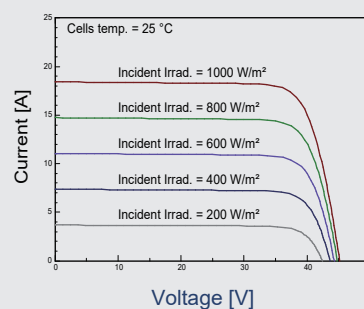
## Temperature Characteristics

Pmax Temperature Coefficient	-0.35%/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

1903×1134×30 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	24
Pieces per Container	864

I-V CURVES OF PV MODULE(650W)



P-V CURVES OF PV MODULE(650W)

