

PX2-485 - 510W

182mm 132Cells MBB PV Solar Module

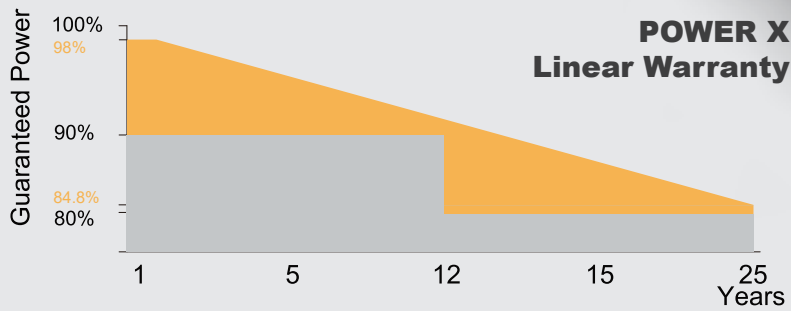
21.48%

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



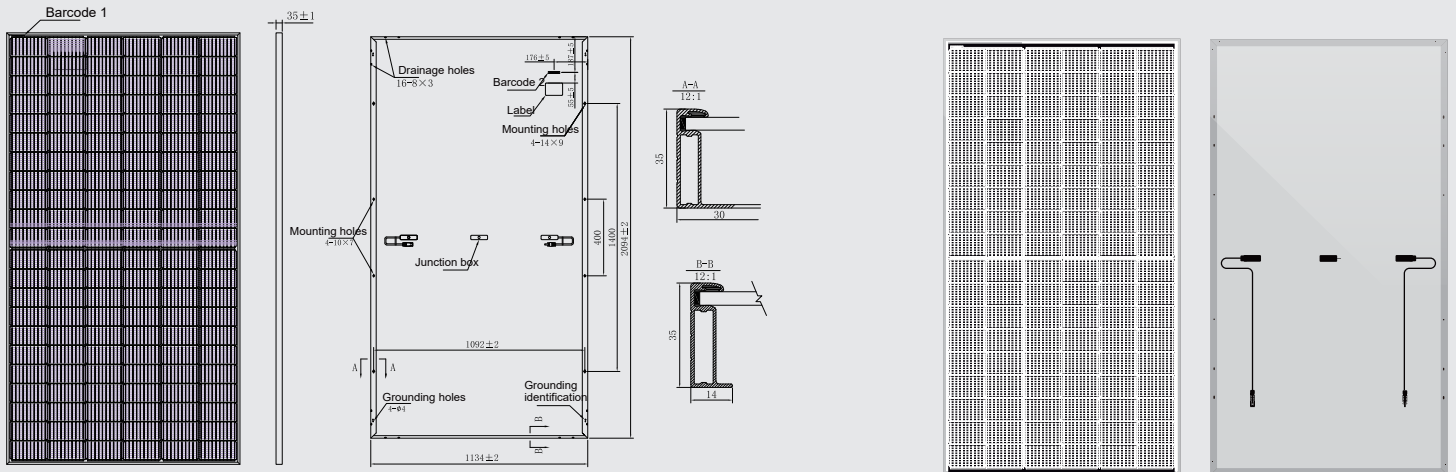
High Density Packaging



Strengthened Mechanical Load

POWER X





Front View

Back View

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

Electrical Characteristics (STC/NOCT)

Module Type	PX2-485		PX2-490		PX2-495		PX2-500		PX2-505		PX2-510	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	485	362.70	490	366.20	495	370.0	500	373.60	505	377.20	510	380.80
Open Circuit Voltage - Voc(V)	45.10	42.10	45.30	42.30	45.50	42.50	45.70	42.70	45.90	42.90	46.10	43.00
Short- Circuit Current - Isc(A)	13.66	11.03	13.72	11.08	13.78	11.13	13.84	11.18	13.90	11.23	13.96	11.27
Voltage at Pmax -Vmp(V)	37.50	34.90	37.70	35.10	37.90	35.30	38.10	35.50	38.30	35.70	38.50	35.90
Current at Pmax - Imp(A)	12.94	10.39	13.00	10.43	13.07	10.48	13.13	10.52	13.19	10.57	13.25	10.61
Module Efficiency -ηm(%)	20.42 /		20.64 /		20.85 /		21.06 /		21.27 /		21.48 /	
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

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	2094×1134×35 mm (With Frame)
Weight	25.5±1.0 kg
Solar Cells	Mono crystalline 182mm (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

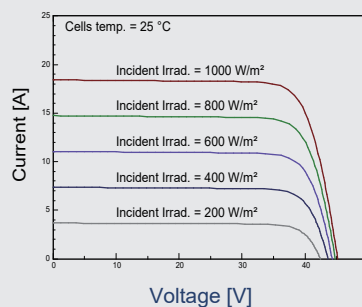
Temperature Characteristics

Pmax Temperature Coefficient	-0.35%/ °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

2094×1134×35 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682

I-V CURVES OF PV MODULE(480W)



P-V CURVES OF PV MODULE(480W)

