

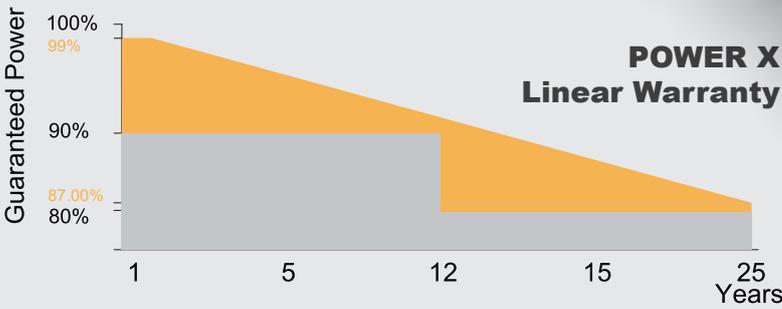
PXT-415-435W

182mm 16BB N-Type TOPCon PV Module

22.28%
MAXIMUM EFFICIENCY

0.50%
YEARLY DEGRADATION

TOPCON HALF CELL



12 Years
Material & Craft
Quality assurance

12 Years
95.10% Output
Power guarantee

30 Years
87.40% Output
Power guarantee

 Excellent Low-light Performance

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

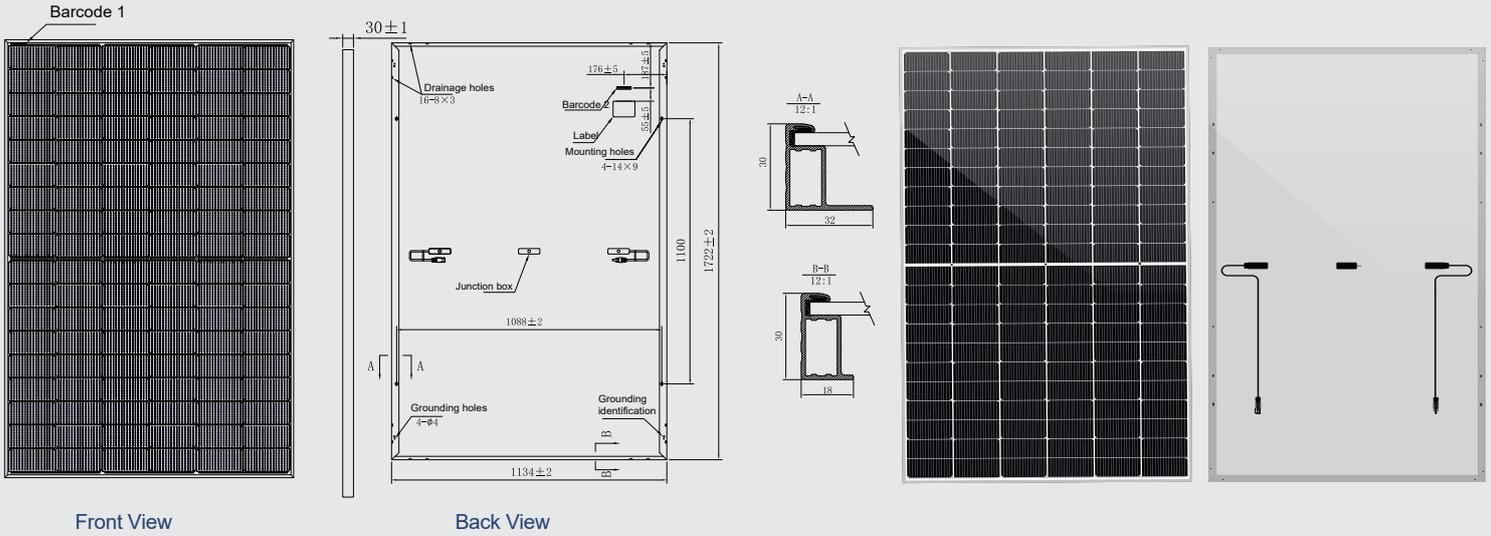
 High Density Packaging
0.5mm

 Strengthened Mechanical Load

 100% Inspection Guarantee Reliability

POWER X





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

Electrical Characteristics (STC/NOCT)

Module Type	PXT-415		PXT-420		PXT-425		PXT-430		PXT-435	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	415	313.10	420	317.20	425	320.90	430	324.30	435	328.60
Open Circuit Voltage - Voc(V)	37.90	35.80	38.10	36.00	38.30	36.10	38.50	36.30	38.70	36.50
Short- Circuit Current - Isc(A)	13.98	11.28	14.05	11.34	14.12	11.39	14.19	11.45	14.26	11.51
Voltage at Pmax -Vmp(V)	31.30	29.50	31.50	29.70	31.70	29.90	31.90	30.10	32.10	30.30
Current at Pmax - Imp(A)	13.26	10.61	13.34	10.67	13.41	10.73	13.47	10.78	13.56	10.84
Module Efficiency -ηm(%)	21.25 /		21.51 /		21.76 /		22.02 /		22.28 /	
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	1722×1134×30 mm (With Frame)
Weight	20.5±1 .0 kg
Solar Cells	N-type Mono crystalline 182mm (6×18)
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

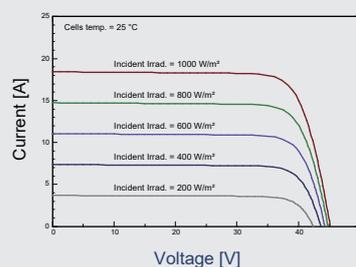
Temperature Characteristics

Pmax Temperature Coefficient	(-0.30±0.03)%/ C
Voc Temperature Coefficient	-0.25%/ C
Isc Temperature Coefficient	+0.046%/ C
Operating Temperature	-40 C ~+85 C
Nominal Operating Cell Temperature(NOCT)	44 C ±2 C

Packing Configuration

1722×1134×30 mm (With Frame)	
Container	40'HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936

I-V CURVES OF PV MODULE(435W)



P-V CURVES OF PV MODULE(435W)

