

PXTD-415-435W

182mm 16BB N-Type TOPCon
Double Glass PV Module

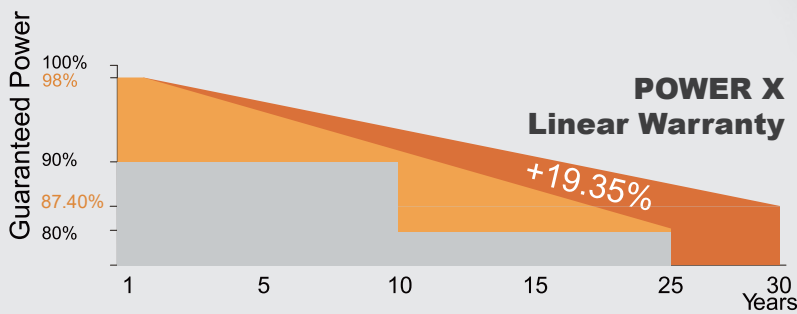
22.28%

MAXIMUM EFFICIENCY

0.40%

YEARLY DEGRADATION

TOPCON HALF CELL



12 Years

MATERIAL & CRAFT
QUALITY ASSURANCE

30 Years

30 YEARS OUTPUT
GUARANTEE



Excellent Low-light Performance



Bifacial Technology up to 25% additional power gain from back side depending on albedo.



16BB technology reduce the distance between busbars and finger grid line which is benefit to power increase



High Density Packaging



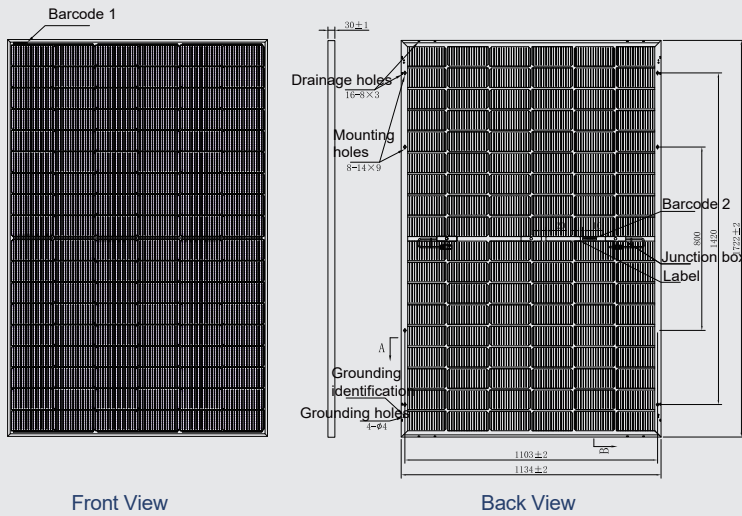
Strengthened Mechanical Load



100% Inspection Guarantee Reliability

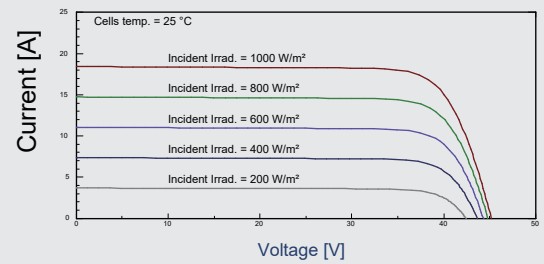
POWER X



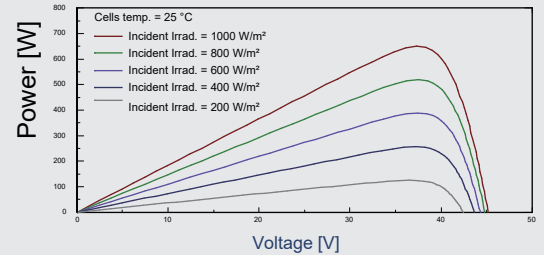


*Remark: customized frame color and cable length available upon request

I-V CURVES OF PV MODULE(430W)



P-V CURVES OF PV MODULE(430W)



Electrical Characteristics (STC/NOCT)

Module Type	PXTD-415		PXTD-420		PXTD-425		PXTD-430		PXTD-435	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	415	313.20	420	317.10	425	320.08	430	324.50	435	328.50
Voltage at Pmax -Vmp(V)	31.30	29.40	31.50	29.60	31.70	29.80	31.90	30.00	32.10	30.20
Current at Pmax - Imp(A)	13.26	10.64	13.34	10.70	13.41	10.76	13.48	10.82	13.56	10.88
Open Circuit Voltage - Voc(V)	37.80	35.70	38.00	35.90	38.20	36.00	38.40	36.20	38.60	36.40
Short- Circuit Current - Isc(A)	14.04	11.33	14.11	11.39	14.18	11.44	14.25	11.50	14.32	11.56
Module Efficiency - η m(%)	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)	30 A									

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	24.5±1.0 kg
Solar Cells	Mono crystalline 182mm (6×18)
Front Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction Box	IP 68, 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

Bifacial Output Real Side Power Gain

Front power Pmax/W	415	420	425	430	435
Total power Pmax/W	519	525	531	538	544
Vmp/V(Total)	31.40	31.60	31.80	32.00	32.20
Imp/A(Total)	16.52	16.61	16.71	16.80	16.89
Voc/V(Total)	37.90	38.10	38.30	38.50	38.70
Isc/A(Total)	17.49	17.57	17.67	17.76	17.83

Packing Configuration

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