

P6

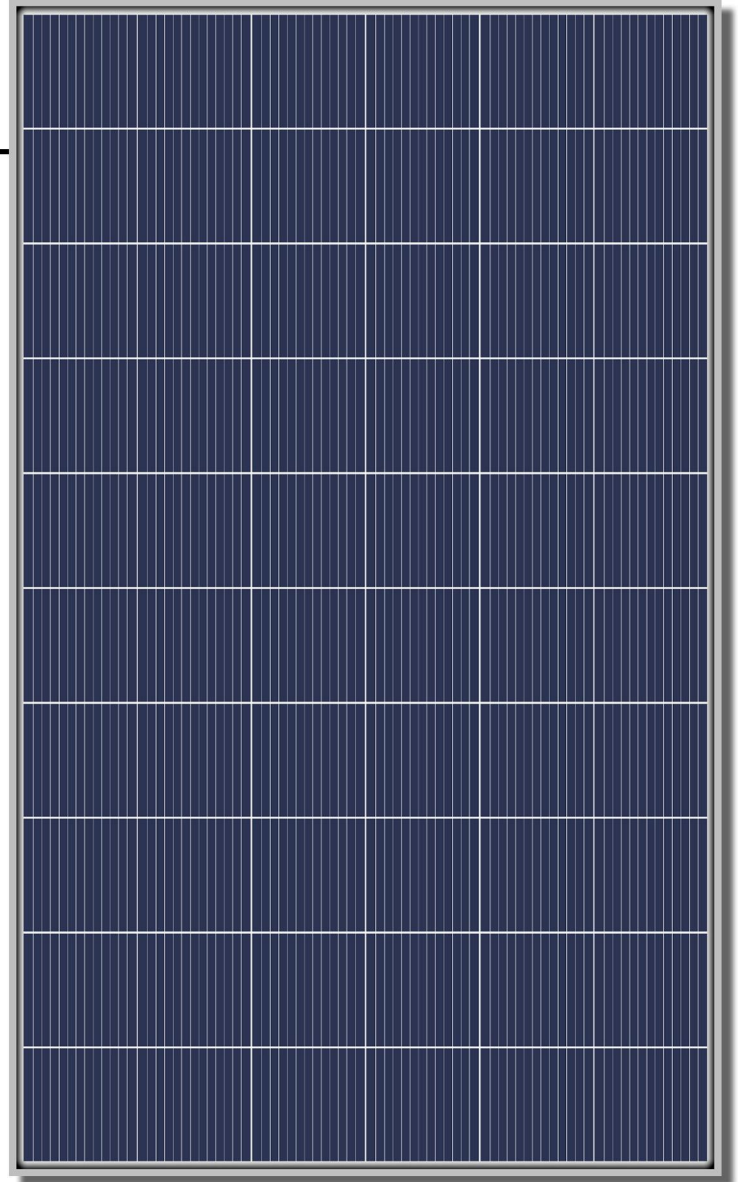
PERC

Conventional

AOX 6P 270W-290W

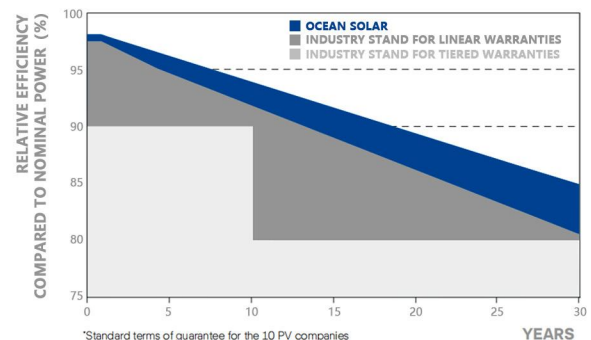
- Based on M6-157mm solar cells.
- Higher module quality ensures long-term reliability
- MBB Technology, better light trapping and current collection to improve module power output and reliability.
- Excellent Anti-PID performance guarantee via optimized mass production process and materials control

WORLD SHINES BECAUSE OF YOU



PRODUCT Warranty

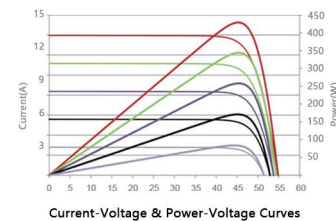
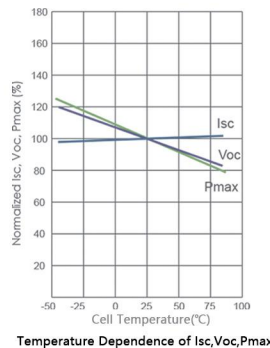
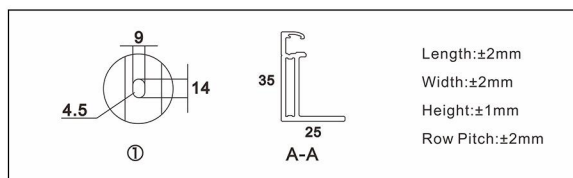
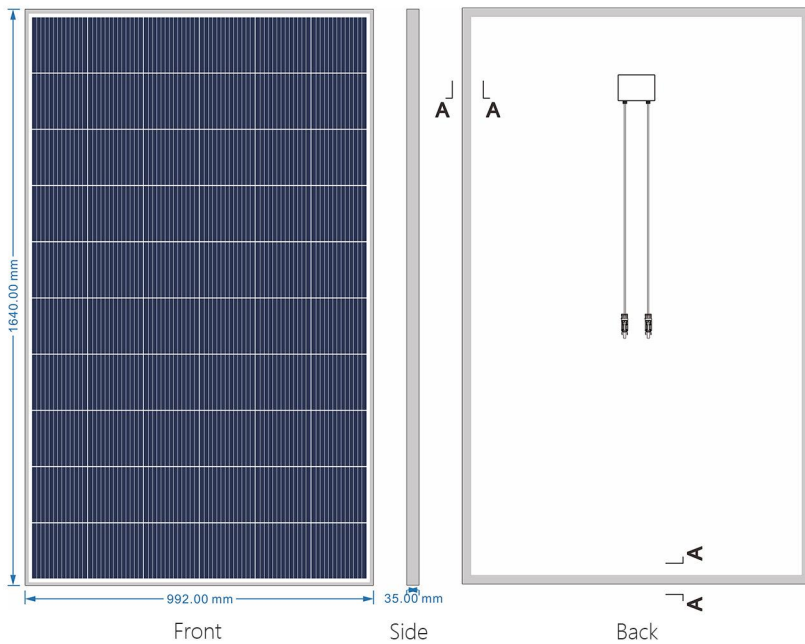
- 12-year Warranty for Materials and Processing
- 30-year Warranty for Extra Linear Power Output



*Standard terms of guarantee for the 10 PV companies with the highest production capacity in 2014 (as at: September 2014)

PRODUCT Certifications





Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	AOX-6P 270W		AOX-6P 275W		AOX-6P 280W		AOX-6P 285W		AOX-6P 290W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	270Wp	200Wp	275Wp	204Wp	280Wp	208Wp	285Wp	212Wp	290Wp	216Wp
Voltage at Maximum Power (Vmp/V)	30.72V	29.29V	30.94V	29.48V	31.19V	29.69V	31.43V	29.88V	31.70V	30.09V
Current at Maximum Power (Imp/A)	8.79A	6.83A	8.89A	6.92A	8.98A	7.01A	9.07A	7.10A	9.15A	7.18A
Open Circuit Voltage (Voc/V)	37.92V	36.25V	38.18V	36.56V	38.43V	36.85V	38.69V	37.05V	38.95V	37.26V
Short Circuit Current (Isc/A)	9.28A	7.31A	9.36A	7.40A	9.44A	7.48A	9.53A	7.56A	9.62A	7.64A
Module Efficiency(%)	16.60%		16.90%		17.20%		17.50%		17.80%	

Mechanical Parameters

Cell Orientation	6*10 (60) solar half cells
Junction Box	IP 68 , 3 diodes
Output Cable	4.0mm ² solar cable(IEC) (+)≥350mm (-)≥350mm or customized
Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Weight	18.5 kg
Dimension	1640*992*35mm
Packaging	31pcs/pallets

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Product Warranty

Warranty for Materials and Processing	12 Year
Warranty for Extra Linear Power Output	30 Year

Operating Parameters

Operational Temperature	-40~+85 °C
Power Output Tolerance	0~5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500VDC(IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Temperature Ratings (STC)

Temperature Coefficient of Isc	0.057%/°C
Temperature Coefficient of Voc	-0.286%/°C
Temperature Coefficient of Pmax	-0.370%/°C

Product Certifications



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Specifications included in this datasheet are subject to change without notice.

