

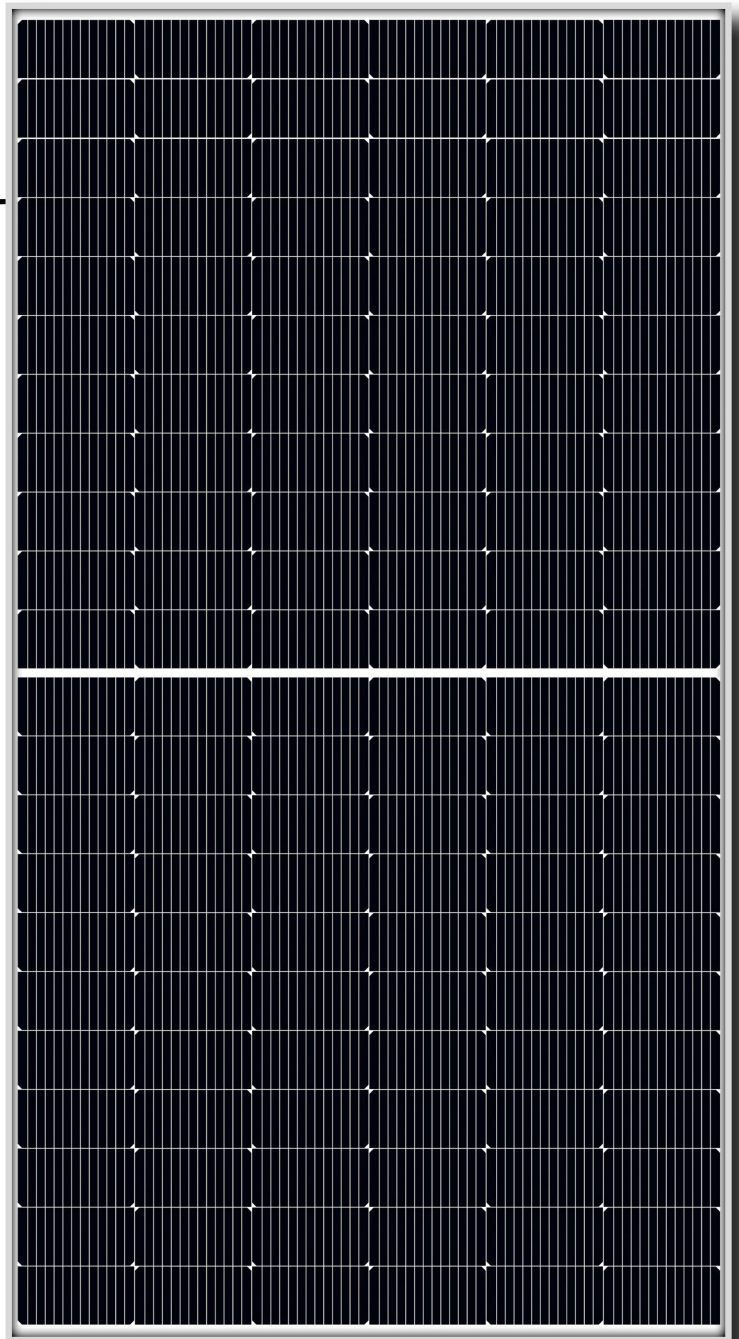
M10 PERC

Conventional

AOX 66M10HC 500W-515W

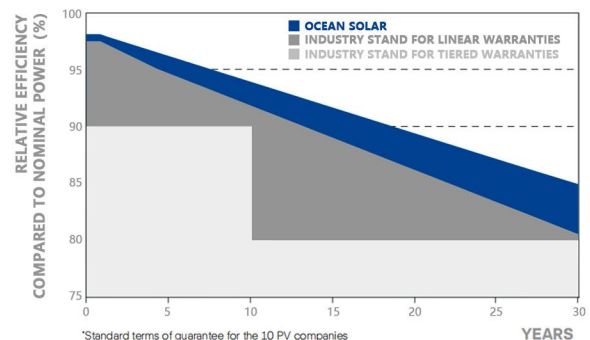
- Based on M10-182mm solar cells.
- Higher module quality ensures long-term reliability
- MBB Technology, better light trapping and current collection to improve module power output and reliability.
- Excellent Anti-PID performance guarantee via optimized mass production process and materials control

WORLD SHINES BECAUSE OF YOU



PRODUCT Warranty

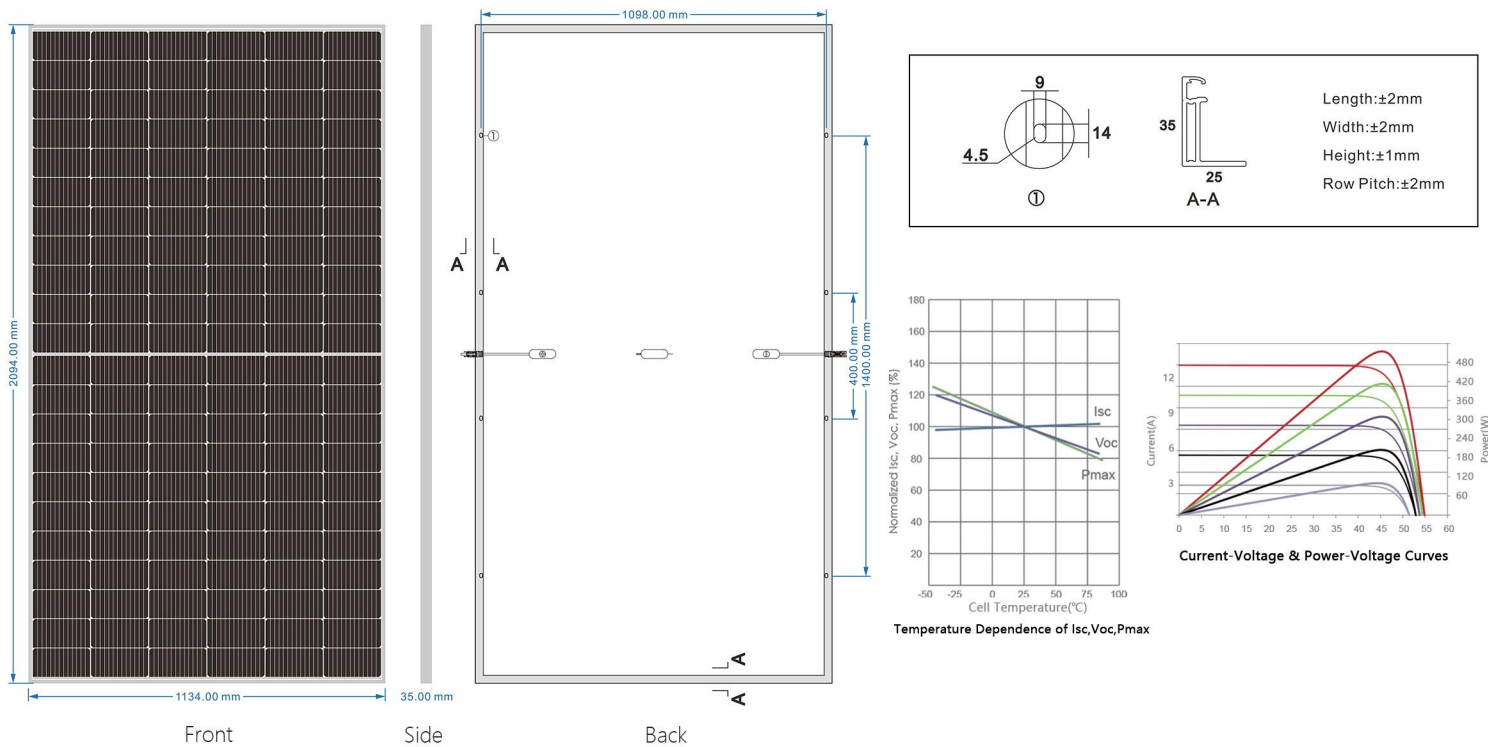
- 12-year Warranty for Materials and Processing
- 30-year Warranty for Extra Linear Power Output



*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-66M10HC500W		AOX-66M10HC505W		AOX-66M10HC510W		AOX-66M10HC515W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	500Wp	378Wp	505Wp	382Wp	510Wp	386Wp	515Wp	390Wp
Voltage at Maximum Power (Vmp/V)	37.40V	35.07V	37.50V	35.24V	37.60V	35.41V	37.70V	35.58V
Current at Maximum Power (Imp/A)	13.37A	10.78A	13.47A	10.84A	13.56A	10.90A	13.66A	10.96A
Open Circuit Voltage (Voc/V)	45.38V	42.89V	45.48V	42.99V	45.58V	43.09V	45.68V	43.19V
Short Circuit Current (Isc/A)	13.99A	11.43A	14.06A	11.48A	14.32A	11.51A	14.42A	11.57A
Module Efficiency(%)	21.10%		21.30%		21.50%		21.70%	

Mechanical Parameters

Cell Orientation	6*20 (120) 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	19.2kg
Dimension	1755*1038*35mm
Packaging	31pcs/pallets,858pcs/ 40HQ Container

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	0.046%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C

Product Certifications



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

