



ocean solar

AOX-66M10HC

500W-540W

💰 HIGH VALUE

Low LCOE, reduced BOS cost, quick payback.
More harvest with N-type TOPCon.
Compatible, efficient container use cuts freight.

⚡ HIGH POWER UP TO 540W

22.7% module efficiency, dense interconnect.
SMBB for trapping, lower resistance, better collection.

🛡️ RELIABLE

Fewer micro-cracks, PID resistant, endure harsh conditions.
Mechanical performance up to 5400 Pa positive, 2400 Pa negative.

📈 HIGH ENERGY YIELD

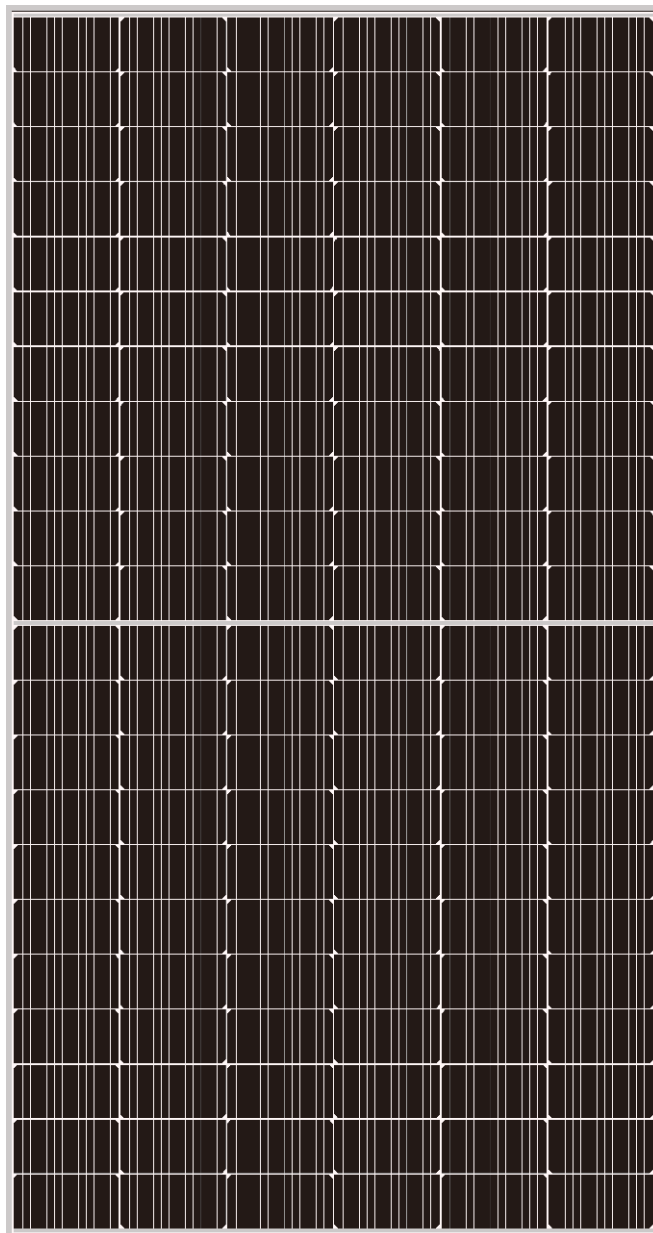
Excellent IAM, low irradiation validated by 3rd party certs.
Lower degradation: 1% first year, 0.4% annually.
Lower temperature coefficient (-0.30%).
Up to 30% extra power gain from back side depending on albedo.

PRODUCT Certifications



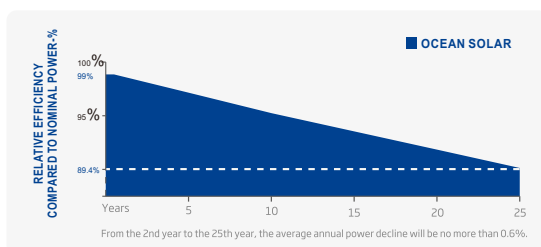
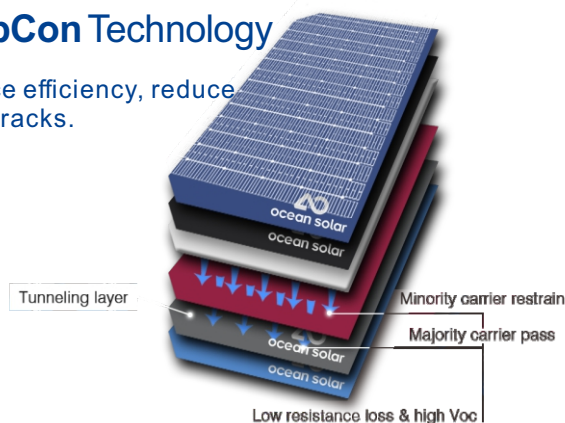
PRODUCT Warranty

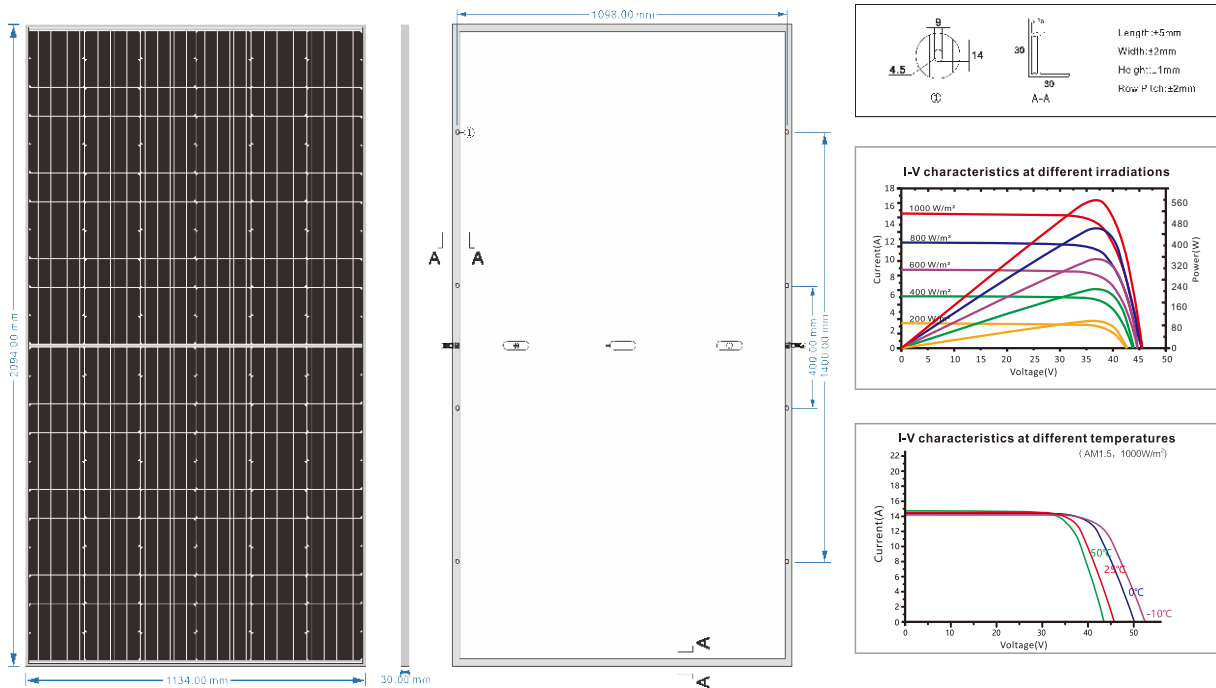
12-year Warranty for Materials and Processing
25-year Warranty for Extra Linear Power Output



N-TopCon Technology

Enhance efficiency, reduce micro-cracks.





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-66M10HC510W		AOX-66M10HC520W		AOX-66M10HC530W		AOX-66M10HC540W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	500W	377W	510W	384W	520W	391W	530W	399W	540W	406W
Voltage at Maximum Power(Vmp/V)	38.40	36.20	38.80	36.60	39.20	37.00	39.60	37.40	40.00	37.80
Current at Maximum Power(Imp/A)	13.03	10.41	13.15	10.49	13.27	10.57	13.39	10.67	13.50	10.74
Open Circuit Voltage(Voc/V)	46.60	44.40	47.00	44.80	47.40	45.20	47.80	44.60	48.20	45.00
Short Circuit Current(Isc/A)	13.81	11.04	13.94	11.12	14.06	11.20	14.19	11.31	14.31	11.39
Module Efficiency(%)	21.10%		21.50%		21.90%		22.30%		22.70%	

Mechanical Parameters

Cell Orientation	6*22(132)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	4.0mm ² solar cable(IEC) (+)≥350mm(-)≥350mm or customized
Front Glass	3.2 mm, Anti-reflection Coating, High Transmission, Low Iron, Fully Strengthened Glass
Frame	30mm Anodized Aluminium Alloy
Weight	25kg(+/-0.5kg)
Dimension	2094*1134*30mm
Packaging	31pcs/pallet,792pcs/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 Years
Warranty for Extra Linear Power Output	25 Years

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 Operational 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

High-tech enterprises in China



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