



# ocean solar

## AOX-132M10RHC

# 395W-420W

### 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 420W

22.6% 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.

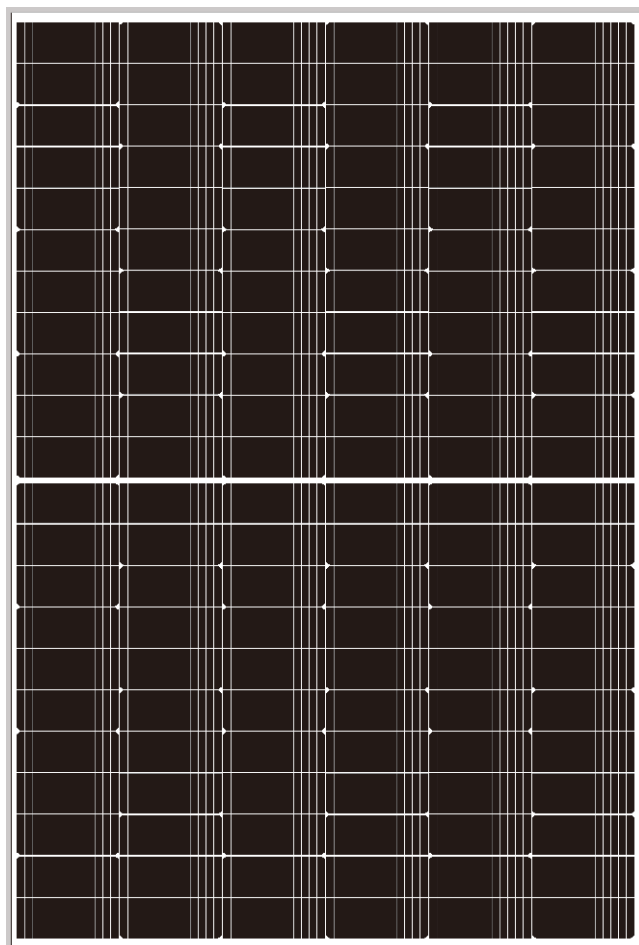
### HIGH ENERGY YIELD

Excellent IAM, low irradiation validated by 3rd party certs.

Lower degradation: 1% first year, 0.4% annually.

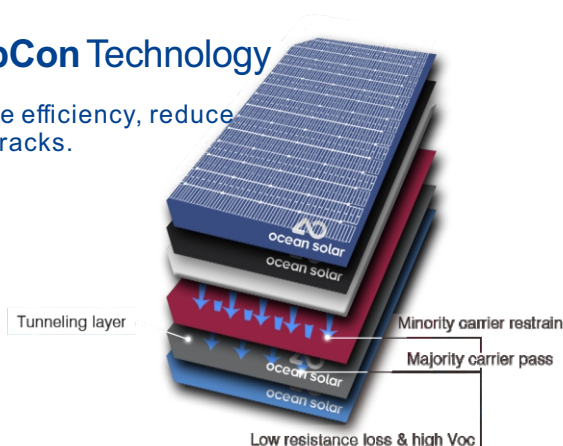
Lower temperature coefficient (-0.30%).

Up to 30% extra power gain from back side depending on albedo.



### N-TopCon Technology

Enhance efficiency, reduce micro-cracks.



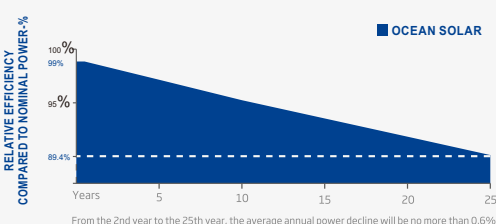
### PRODUCT Certifications

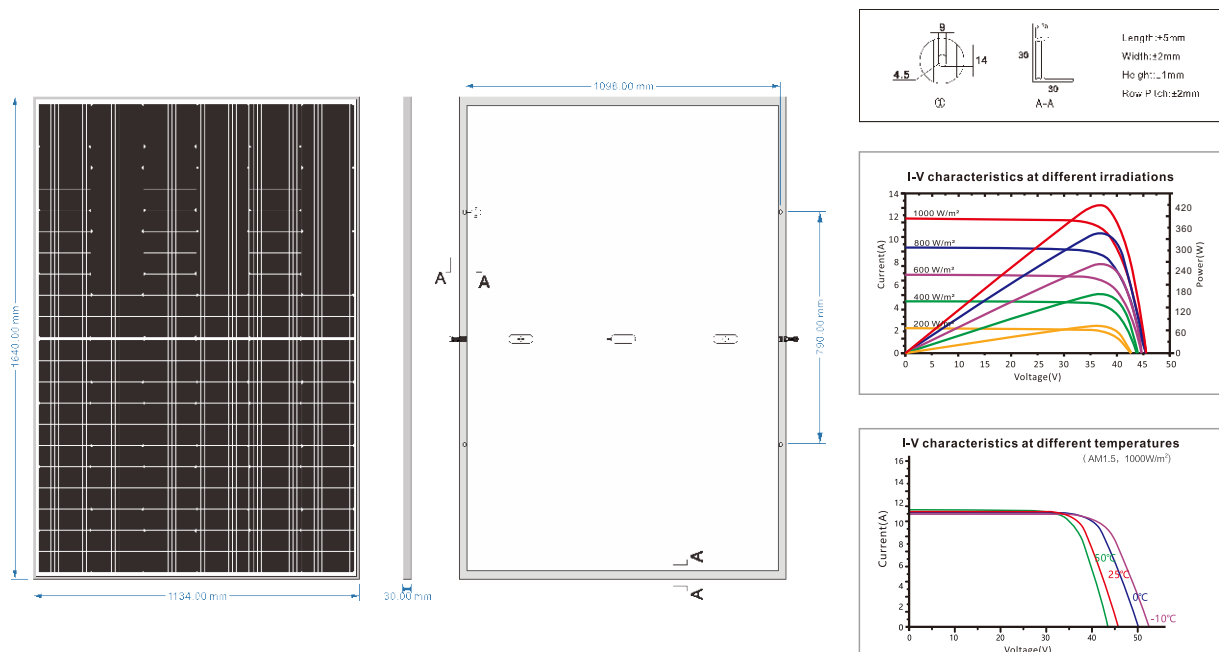


### PRODUCT Warranty

12-year Warranty for Materials and Processing

25-year Warranty for Extra Linear Power Output





## 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-132M10RHC395W		AOX-132M10RHC400W		AOX-132M10RHC405W		AOX-132M10RHC410W		AOX-132M10RHC415W		AOX-132M10RHC420W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	395W	299W	400W	303W	405W	307W	410W	311W	415W	315W	420W	319W
Voltage at Maximum Power(Vmp/V)	38.80	36.20	39.00	36.40	39.20	36.60	39.40	36.80	39.60	37.00	39.80	37.20
Current at Maximum Power(Imp/A)	10.19	8.26	10.26	8.32	10.34	8.39	10.41	8.45	10.48	8.51	10.56	8.58
Open Circuit Voltage(Voc/V)	46.10	43.50	46.30	43.70	46.50	43.90	46.70	44.10	46.90	44.30	47.10	44.50
Short Circuit Current(Isc/A)	10.75	8.72	10.83	8.79	10.91	8.86	10.99	8.92	11.07	8.99	11.14	9.06
Module Efficiency(%)	21.20%		21.50%		21.80%		22.00%		22.30%		22.60%	

## Mechanical Parameters

Cell Orientation	6*22(132)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	4.0mm² 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	20kg(+/-0.5kg)
Dimension	1640*1134*30mm
Packaging	36pcs/pallet, 1008pcs/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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Specifications included in this datasheet are subject to change without notice.

  
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