



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.

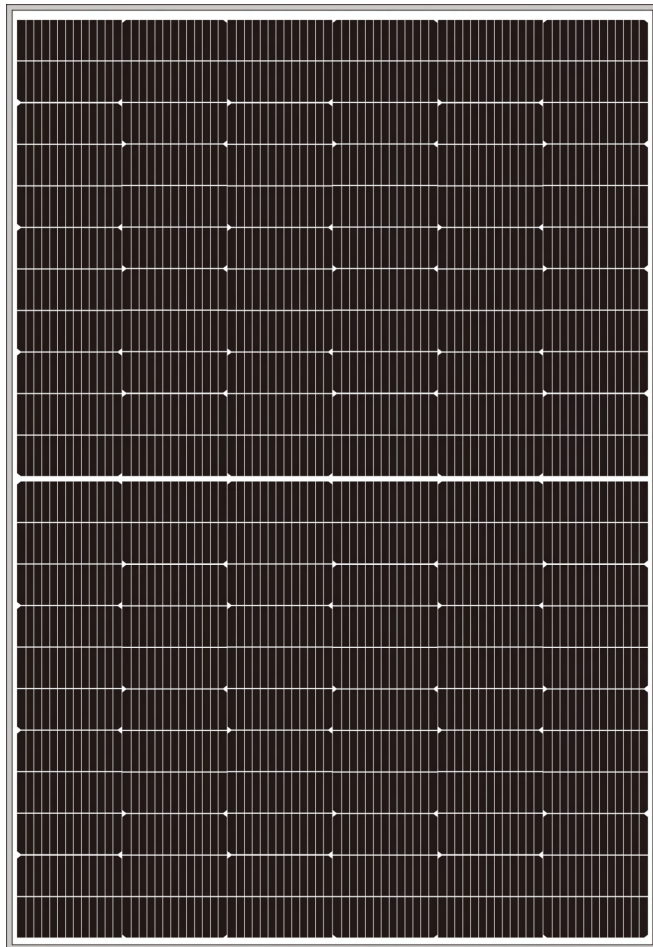
Mechanical performance up to 5400 Pa positive, 2400 Pa negative.

HIGH ENERGY YIELD

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

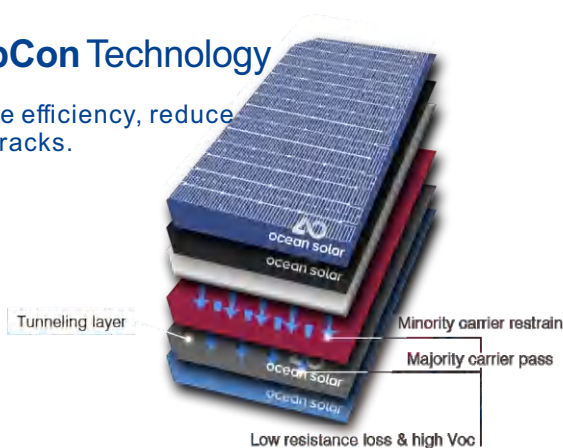
Lower degradation: 1% first year, 0.4% annually.

Lower temperature coefficient (-0.30%).



N-TopCon Technology

Enhance efficiency, reduce micro-cracks.



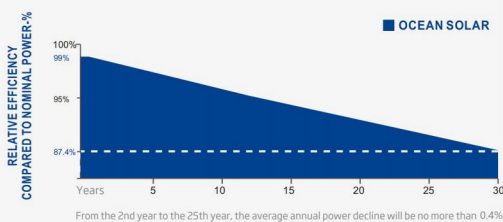
PRODUCT Certifications



PRODUCT Warranty

12-year Warranty for Materials and Processing

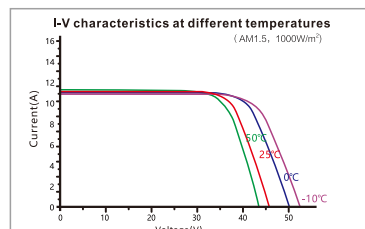
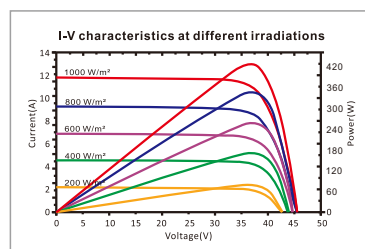
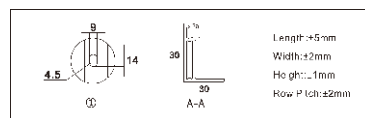
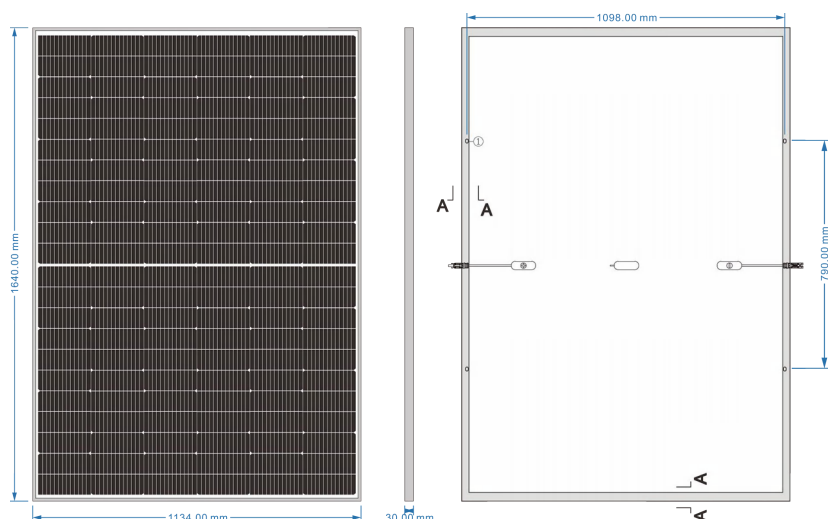
30-year Warranty for Extra Linear Power Output



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High-tech enterprises in China



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 Type	N-Type TopCon Half-cut Cell
No. of Cells	132
Front Cover	3.2 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back Cover	White backsheet
Junction Box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4/ MC 4 compatible
Weight	19kg
Dimension	1640*1134*30mm
Packaging	1036pcs/40HQ Container

Mechanical Loading

Snow Load	5400 Pa or 550 kg/m ²
Wind Load	2400 Pa or 244 kg/m ²
Hail Resistance	Max. Ø 25 mm at 23 m/s

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

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