



ocean solar

Transparent Backsheet Series

AOX-132G12HC
690W-730W

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 730 W

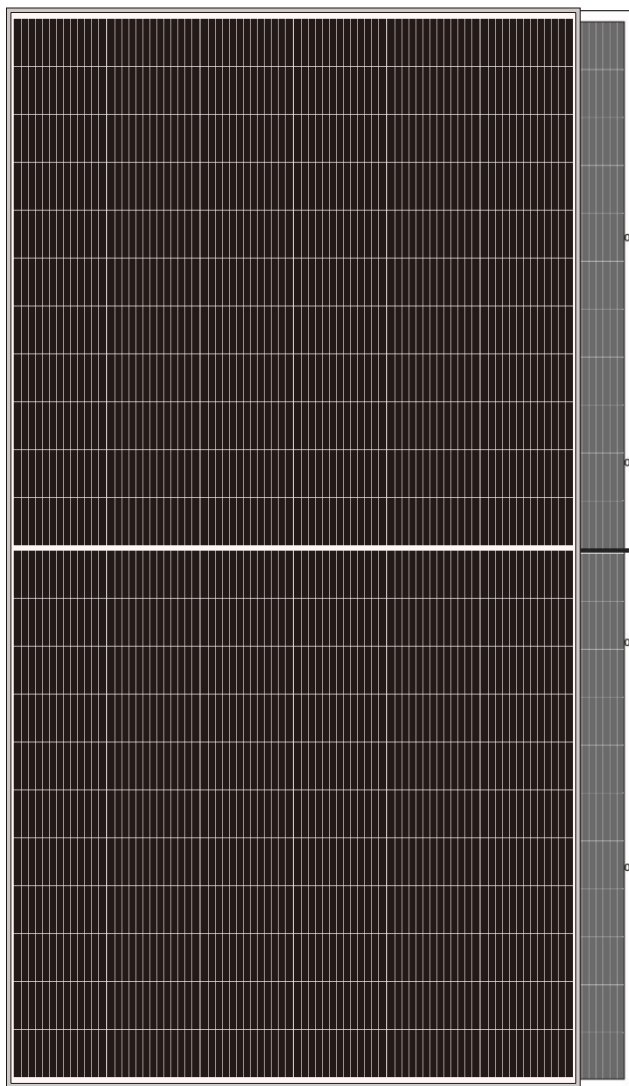
23.5% module efficiency, dense interconnect.
SMBB for trapping, lower resistance, better collection.

RELIABLE

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

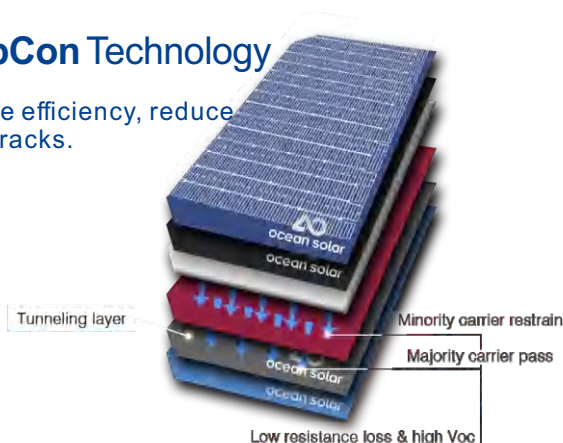
HIGH ENERGY YIELD

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.

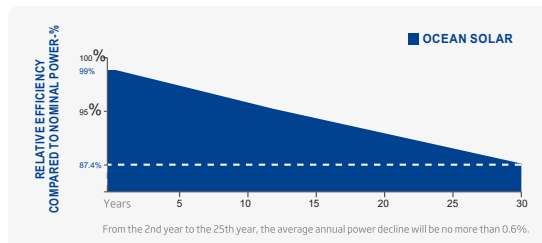


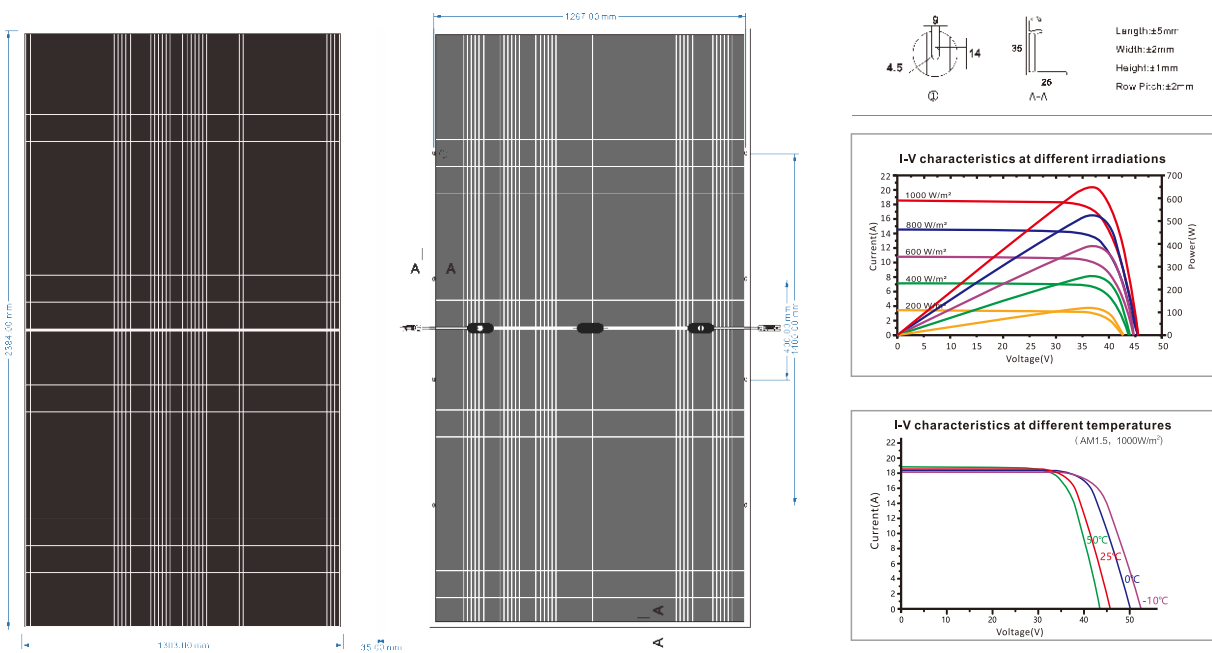
PRODUCT Certifications



PRODUCT Warranty

12-year Warranty for Materials and Processing
30-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-132G12HC690W | | AOX-132G12HC700W | | AOX-132G12HC710W | | AOX-132G12HC720W | | AOX-132G12HC730W | |
|---------------------------------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power(Pmax/W) | 690W | 526W | 700W | 534W | 710W | 543W | 720W | 552W | 730W | 560W |
| Voltage at Maximum Power(Vmp/V) | 40.10 | 37.70 | 40.50 | 38.00 | 40.90 | 38.50 | 41.30 | 38.80 | 41.70 | 39.30 |
| Current at Maximum Power(Imp/A) | 17.21 | 13.95 | 17.29 | 14.05 | 17.36 | 14.10 | 17.44 | 14.23 | 17.51 | 14.25 |
| Open Circuit Voltage(Voc/V) | 47.90 | 45.40 | 48.60 | 46.10 | 49.00 | 46.50 | 49.40 | 46.90 | 49.80 | 47.30 |
| Short Circuit Current(Isc/A) | 18.25 | 14.71 | 18.32 | 14.76 | 18.40 | 14.83 | 18.48 | 14.90 | 18.56 | 14.97 |
| Module Efficiency(%) | 22.20% | | 22.50% | | 22.90% | | 23.20% | | 23.50% | |

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 | 35mm Anodized Aluminium Alloy |
| Weight | 31kg(+/-0.5kg) |
| Dimension | 2384*1304*35mm |
| Packaging | 31pcs/pallet,558pcs/40HQ Container |

Tip: The number of double-glass modules placed flatly cannot exceed 15 pieces.

Mechanical Loading

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

Bifacial Output-Rearside Power Gain

| | Maximum Power(Pmax) | 725W | 735W | 746W | 756W | 767W |
|-------------------------------|---------------------|--------|--------|--------|--------|------|
| 5% Module Efficiency STC (%) | 23.31% | 23.63% | 24.05% | 24.36% | 24.68% | |
| | Maximum Power(Pmax) | 759W | 770W | 781W | 792W | 803W |
| 10% Module Efficiency STC (%) | 24.42% | 24.75% | 25.19% | 25.52% | 25.85% | |

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 |

Product Warranty

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

High-tech enterprises in China



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