

A0X-120M10FL

430W-445W

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Lightweight

Optimized composite materials, 60% lighter at the same power.
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Resin-fiber Strength Improvement

The modulus is as high as 1300MPa, improving the overall strength of the module and solving the hidden crack problem of the cell.
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Self-developed Polymer Materials

Light transmittance $\geq 91\%$, far more than conventional solar panels, photoelectricity conversion without a barrier. Ultra-high UV blocking ability ensures power generation efficiency for 25 years.
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Easy to Install

Factory-integrated for easy transportation and handling. Eliminating traditional bracket systems and saving installation costs and time.
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V0 Rated flame retardant materials

Use V0 Rated flame retardant materials to improve component fire performance.

* Specifications subject to technical changes and tests. Kinse Solar reserves the right of interpretation.

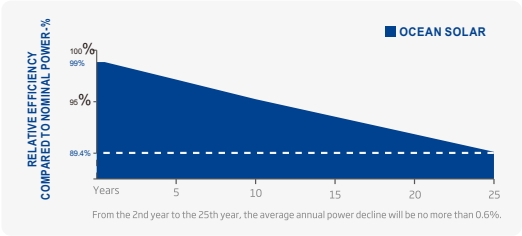
PRODUCT Certifications



PRODUCT Warranty

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

WORLD SHINES BECAUSE OF YOU



 High-tech enterprises in China

Electrical Characteristics

Module Type	AOX-120M10FL430W		AOX-120M10FL435W		AOX-120M10FL440W		AOX-120M10FL445W	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)[W]	430	320	435	324	440	328	445	332
Maximum Power Voltage(Vmp)[V]	33.50	31.05	33.70	31.21	33.90	31.39	34.10	31.57
Maximum Power Current (Imp)[A]	12.82	10.34	12.90	10.39	12.98	10.45	13.06	10.51
Open-circuit Voltage (Voc)[V]	40.60	38.31	40.80	38.45	41.00	38.59	41.20	38.73
Short-circuit Current (Isc)[A]	13.25	10.95	13.33	11.01	13.41	11.07	13.49	11.13
Module Efficiency STC(%)	18.77		18.99		19.21		19.42	

*STC : Irradiance at 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5

*NOCT : Irradiance at 800W/m². Ambient Temperature 20°C , Wind Speed 1 m/s

Mechanical Characteristics

Cell Type	Mono-crystalline 182 * 91 mm
No. of cells	120(12 x 10)
Dimensions	2246 * 1020 * 2.6 mm
Weight	6.9 Kg
Junction Box	IP68 Rated
Output Cables	4.0 mm²
Cable Length	400mm or Customized Length

Application parameters

Maximum system voltage	DC1500V(IEC)
Maximum series fuse rating	25A
Power tolerance	0 ~ +5W

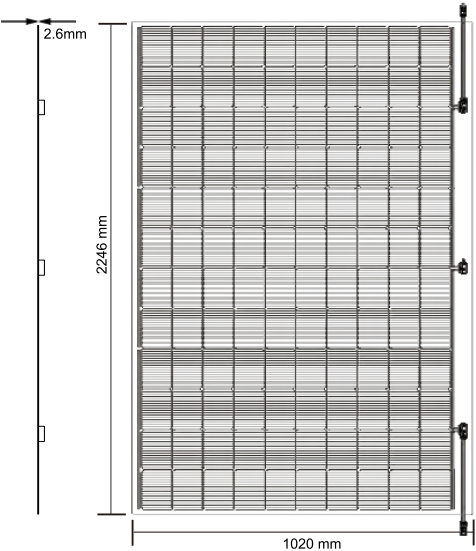
Temperature coefficient

Temperature coefficients of Pmax	-0.37 %/ °C
Temperature coefficients of Voc	-0.28 %/ °C
Temperature coefficients of Isc	0.05 %/ °C
Operating Temperature	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45±2 °C

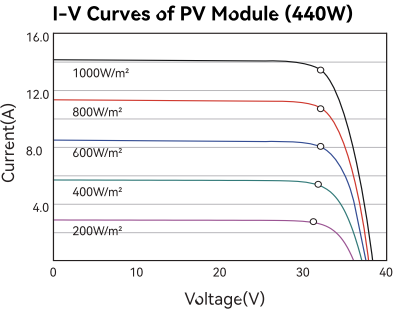
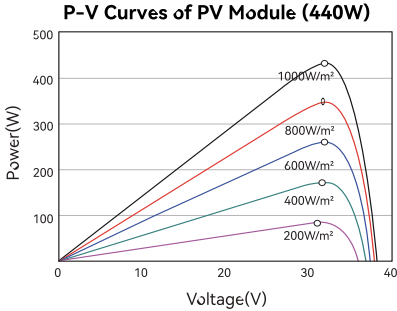
Packaging Configuration

70pcs/pallets, 1400pcs/ 40'HQ Container

Dimension



Electrical Performance



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