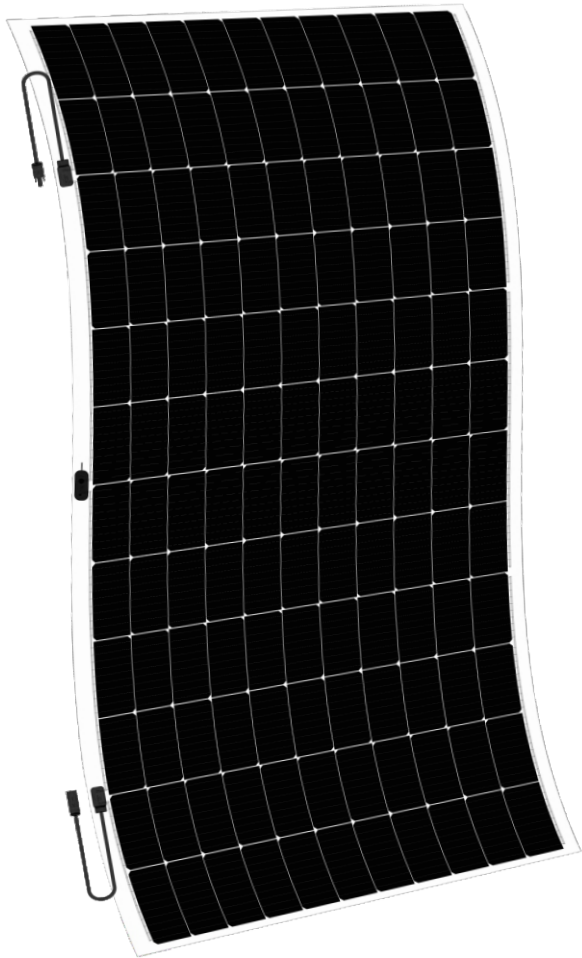


A0X-132M10FL

465W-485W



- 

Lightweight

Optimized composite materials, 60% lighter at the same power.
- 

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.
- 

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.
- 

Easy to Install

Factory-integrated for easy transportation and handling; Eliminating traditional bracket systems and saving installation costs and time.
- 

V0 Rated flame retardant materials

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

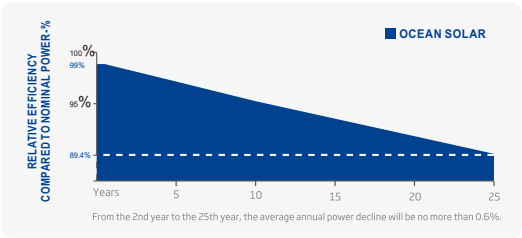
* Specifications subject to technical changes and tests. Kinse Solar reserves the right of interpretation.

PRODUCT Certifications



PRODUCT Warranty

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



Electrical Characteristics

Module Type	AOX-132M10FL465W		AOX-132M10FL470W		AOX-132M10FL475W		AOX-132M10FL480W		AOX-132M10FL485W	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)[W]	465	349	470	353	475	357	480	361	485	365
Maximum Power Voltage(Vmp)[V]	37.27	34.51	37.44	34.67	37.61	34.83	37.78	34.99	37.95	35.15
Maximum Power Current (Imp)[A]	12.50	10.12	12.57	10.19	12.64	10.26	12.71	10.33	12.79	10.40
Open-circuit Voltage (Voc)[V]	44.56	41.26	44.71	41.40	44.86	41.54	45.01	41.68	45.16	41.82
Short-circuit Current (Isc)[A]	13.54	10.94	13.60	10.99	13.66	11.04	13.72	11.09	13.78	11.14
Module Efficiency STC(%)	18.96		19.16		19.37		19.57		19.77	

*STC : Irradiance at 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5
*NOCT : Irradiance at 800W/㎡, Ambient Temperature 20℃, Wind Speed 1 m/s

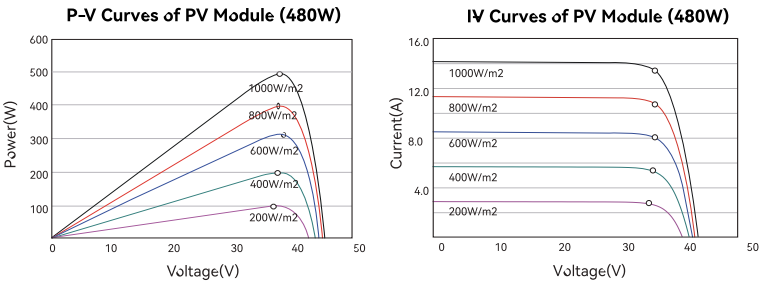
Mechanical Characteristics

Cell Type	P type Mono-crystalline 182 * 91 mm
No. of cells	132(12×11)
Dimensions	2246 * 1092 * 2.5 mm
Weight	7.4 Kg
Junction Box	IP68 Rated
Output Cables	4.0 mm²
Cable Length	400mm or Customized Length

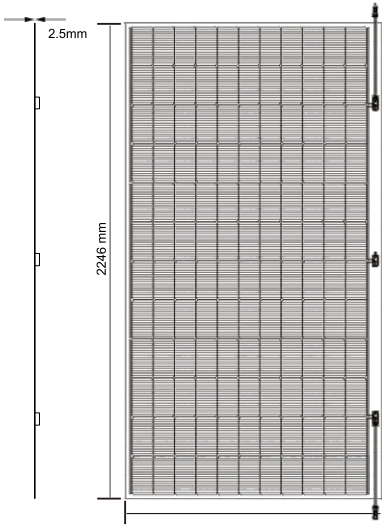
Temperature coefficient

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

Electrical Performance



Dimension



Application parameters

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

Packaging Configuration

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



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