ETFE
Solar Panels
-Flexible

390W-400W

430W-445W

465W-485W

520W-535W

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 ≥91%, far more than conventional solar panels, photoelectricity conversion without a barrier. Ultra-high UV blocking ability ensures power generation efficiency for 25 years.

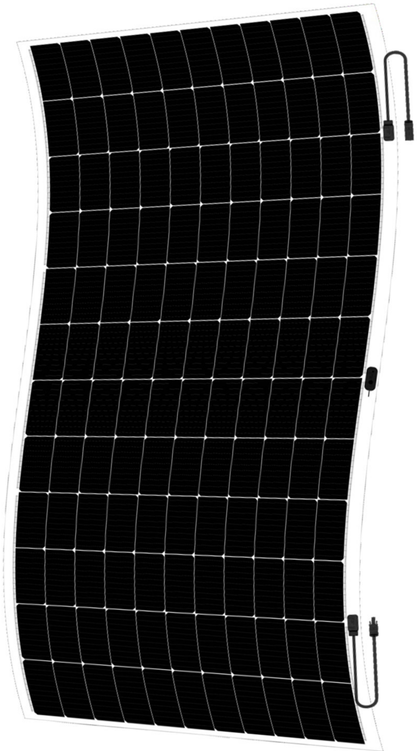
Easy to Install

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.

2025.08.08 @New



COMPANY PROFILE

Shenzhen Daxie Technology Co., Ltd. specializes in the production of solar panels, flexible solar panels, solar street lights, solar energy storage system customization and application products, the company was founded in Shenzhen in 2010, after years of rapid development, the creation of its own brand Daxieworld has set up factories in Huana, Hunan ,jiangsu production and operation. The company takes technological innovation, product quality and service market as the premise, to provide customers with safe, mature and high-quality products, which are exported to Europe, Africa, Southeast Asia, the Middle East and South America and other countries, and are well received by customers.
With the use of solar energy resources and the development of products, so that solar power is inexhaustible, inexhaustible green energy into thousands of households, to create a better life.

CORPORATE CULTURE

Company mission: to fill every corner of the world with green energy
Business strategy: To become a high-quality supplier of solar photovoltaic products
Core values: Integrity, pragmatism, efficiency, innovation.
Business policy: Create value for customers, benefit employees, and contribute to society.
Quality policy: production by quality, development by reputation
Employment concept: people-oriented.

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AOX-108M10FL

390W-400W

PRODUCT Certifications

PRODUCT Warranty

12-year Warranty for Materials and Processing

25-year Warranty for Extra Linear Power Output

Electrical Characteristics(STC*)

Module Type	AOX-108M10FL 390W	AOX-108M10FL 395W	AOX-108M10FL 400W
Maximum Power(Pmax)[W]	390	395	400
Power tolerance[W]		0 ~ +5	
Maximum Power Voltage(Vmp)[V]	30.78	30.98	31.18
Maximum Power Current (Imp)[A]	12.69	12.76	12.83
Open-circuit Voltage (Voc)[V]	36.64	36.84	37.04
Short-circuit Current (Isc)[A]	13.58	13.66	13.73
Module Efficiency STC(%)	18.73	18.97	19.21

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

Electrical Characteristics(NOCT*)

Module Type	AOX-108M10FL 390W	AOX-108M10FL 395W	AOX-108M10FL 400W
Maximum Power(Pmax)[W]	290	294	298
Maximum Power Voltage(Vmp)[V]	28.10	28.26	28.42
Maximum Power Current (Imp)[A]	10.33	10.40	10.47
Open-circuit Voltage (Voc)[V]	34.76	34.83	34.90
Short-circuit Current (Isc)[A]	11.01	11.07	11.13

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

Mechanical Characteristics

Cell Type	P type Mono-crystalline 182 * 91mm
No. of cells	108(12 x 9)
Dimensions	2246 * 927 * 2.6 mm
Weight	6.2 Kg
Junction Box	IP68 Rated
Output Cables	4.0 mm²
Cable Length	400mm or Customized Length

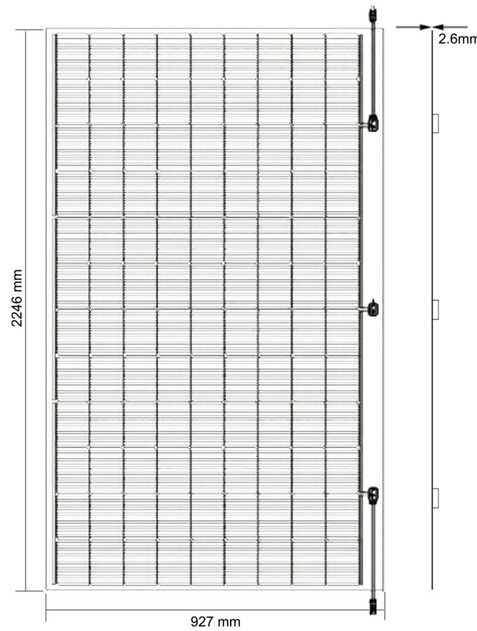
Application parameters

Maximum system voltage	DC1500V(IEC)
Maximum series fuse rating	25A

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 ℃

Dimension

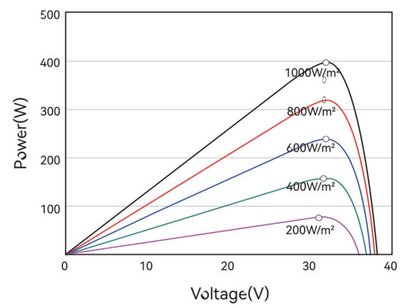


Packaging Configuration

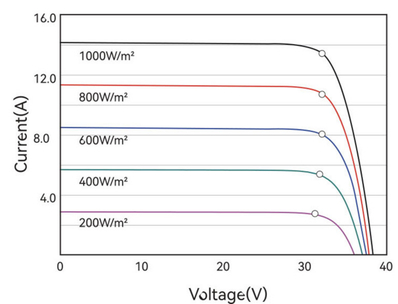
70pcs/pallets, 1400pcs/ 40'HQ Container

Electrical Performance

P-V Curves of PV Module (400W)



I-V Curves of PV Module (400W)



AOX-120M10FL

430W-445W

PRODUCT Certifications

PRODUCT Warranty

12-year Warranty for Materials and Processing

25-year Warranty for Extra Linear Power Output

Electrical Characteristics

Module Type	AOX-120M10FL 430W		AOX-120M10FL 435W		AOX-120M10FL 440W		AOX-120M10FL 445W	
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/㎡, Cell Temperature 25℃, Air Mass AM1.5

*NOCT : Irradiance at 800W/㎡. Ambient Temperature 20℃ , 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

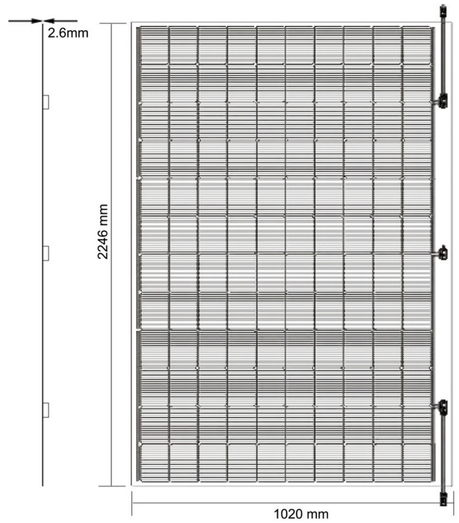
Temperature coefficient

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

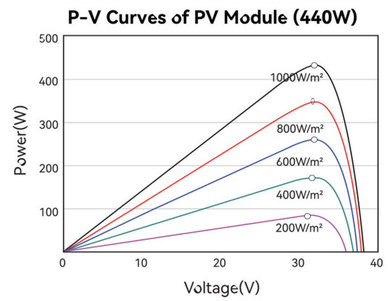
Packaging Configuration

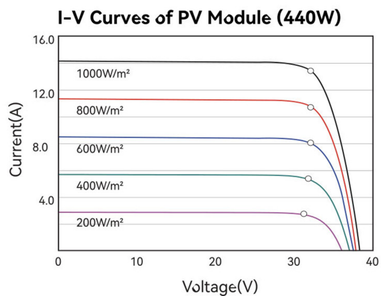
70pcs/pallets, 1400pcs/ 40'HQ Container

Dimension



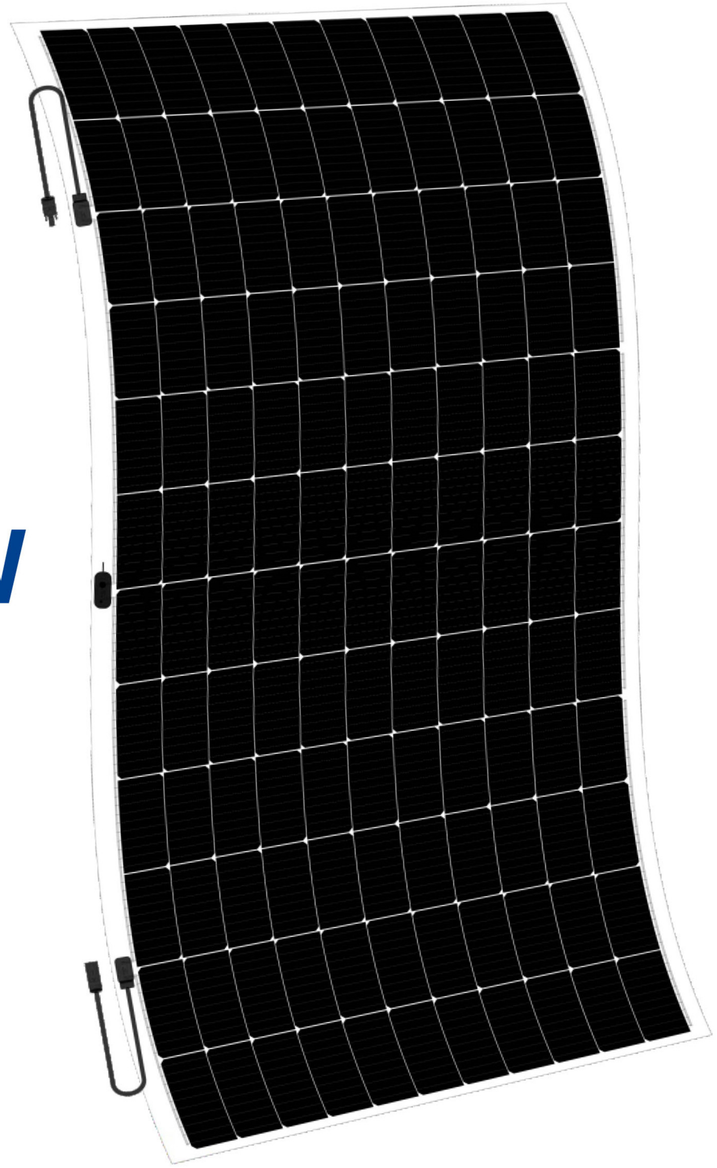
Electrical Performance





AOX-132M10FL

465W-485W



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

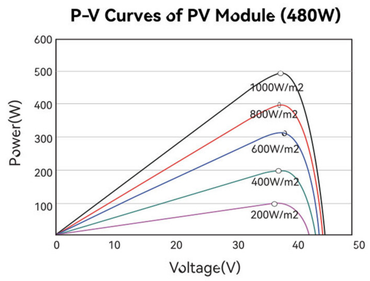
Mechanical Characteristics

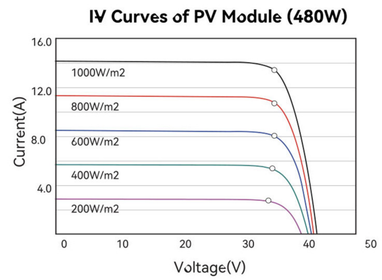
Cell Type	P type Mono-crystalline 182 * 91 mm
No. of cells	132(12×11)
Dimensions	2246 * 1092 * 2.5 mm
Weight	7.4 Kg
Junction Box	IP68 Rated
Output Cables	4.0 mm²
Cable Length	400mm or Customized Length

Temperature coefficient

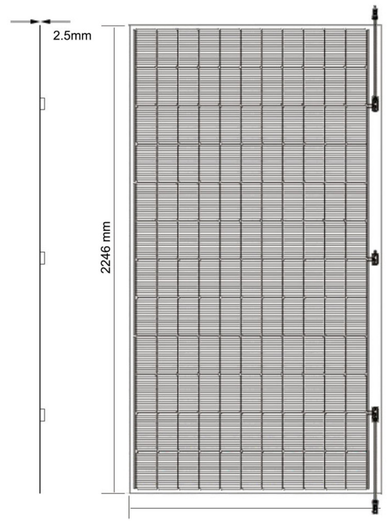
Temperature coefficients of Pmax	-0.37 %/℃
Temperature coefficients of Voc	-0.28 %/℃
Temperature coefficients of Isc	0.05 %/℃
Operating Temperature	-40℃~+85℃
Nominal operating cell temperature (NOCT)	45±2 ℃

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

AOX-144M10FL

520W-535W

PRODUCT Certifications

PRODUCT Warranty

12-year Warranty for Materials and Processing

25-year Warranty for Extra Linear Power Output

Electrical Characteristics

Module Type	AOX-144M10FL 520W		AOX-144M10FL 525W		AOX-144M10FL 530W		AOX-144M10FL 535W	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)[W]	520	394	525	397	530	401	535	404
Maximum Power Voltage(Vmp)[V]	41.03	37.80	41.21	38.00	41.39	38.20	41.57	38.40
Maximum Power Current (Imp)[A]	12.67	10.36	12.75	10.42	12.81	10.47	12.87	10.53
Open-circuit Voltage (Voc)[V]	48.94	46.10	49.09	46.20	49.24	46.30	49.39	46.40
Short-circuit Current (Isc)[A]	13.64	10.91	13.70	10.96	13. 76	11.02	13.83	11.07
Module Efficiency STC(%)	19.54		19.73		19.91		20.10	

*STC : Irradiance at 1000 W/㎡, Cell Temperature 25℃, 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	144(12×12)
Dimensions	2246 * 1185 * 2.6 mm
Weight	8.0 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

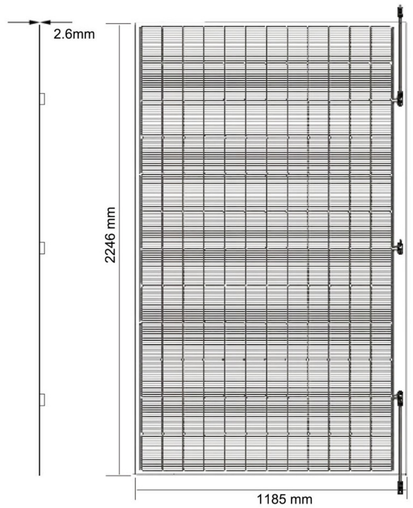
Temperature coefficient

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

Packaging Configuration

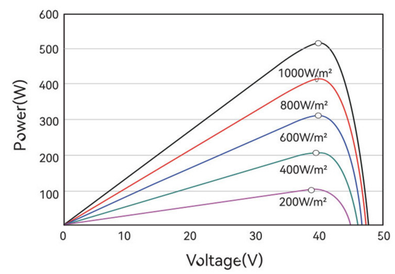
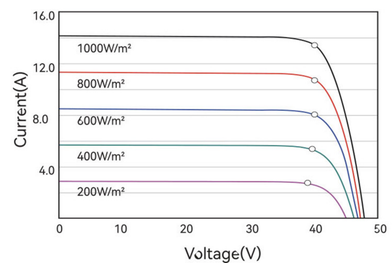
70pcs/pallets, 700pcs/ 40'HQ Container

Dimension



Electrical Performance

P-V Curves of PV Module (530W)



I-V Curves of PV Module (530W)