

VSUN330-120M

The Half Cell Module

VSUN330-120M VSUN320-120M VSUN325-120M VSUN315-120M

19.84%

12 years

Material & Workmanship warranty

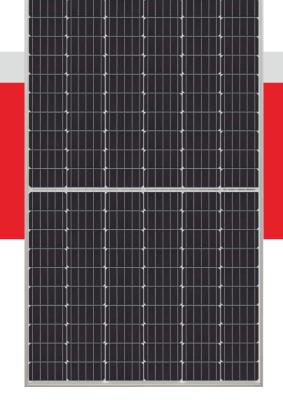
Module efficiency

330W

Highest power output

25 years

Linear power output warranty





PERC Cell Technology



Higher output power



Lower risk of micro-crack



Positive tolerance offer



Lower risk of hot spot



Better shading tolerance



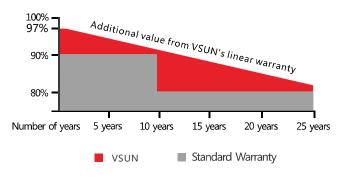
Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa



Lower LCOE





- 12-year product warranty
- 25-year linear power output warranty

Invested by Fuji Solar, VSUN is a Japanese solar module solutions provider located in Tokyo that offers Japanese quality solar technologies globally. The group's business covers Japan, North America, Southeast Asia and EMEA since 2006.Solar module manufacturing base is located in Vietnam, Bac Giang province, and it is one of the fastest-growing, most heavily invested and most promising solar high-tech enterprises in the country.

Innovative & Smart – VSUN has been committed to providing greener, cleaner, and more intelligent renewable energy solutions. It is focusing on the new energy market and the development of customized and high-efficiency products.

VSUN offers PV project development and investments and provides full package of service for EPC solutions.

Note:

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Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN330-120M	VSUN325-120M	VSUN320-120M	VSUN315-120M
Maximum Power - Pmax (W)	330	325	320	315
Open Circuit Voltage - Voc (V)	40.6	40.4	40.2	39.9
Short Circuit Current - Isc (A)	10.35	10.28	10.17	10.08
Maximum Power Voltage - Vmpp (V)	33.7	33.5	33.3	33.1
Maximum Power Current - Impp (A)	9.8	9.71	9.61	9.52
Module Efficiency	19.84%	19.54%	19.24%	18.94%
Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1,5; module temperature 25°C. Tolerance of Pmpp: 0~+3%.				
Measuring uncertainty of power: ±3%.				

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN330-120M	VSUN325-120M	VSUN320-120M	VSUN315-120M
Maximum Power - Pmax (W)	243.7	240.2	236.3	234.7
Open Circuit Voltage - Voc (V)	37.5	37.4	37.2	36.9
Short Circuit Current - Isc (A)	8.36	8.3	8.22	8.15
Maximum Power Voltage - Vmpp (V)	31	30.8	30.6	30.6
Maximum Power Current - Impp (A)	7.86	7.8	7.72	7.67
Normal Operating Cell Temperature((NOCT) : irradiance 800W/m²; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.				
Measuring uncertainty of power: ±3%.				

Temperature Characteristics

Maximum Ratings

NOCT	45℃ (±2℃)	Maximum System Voltage [V]	1000
Voltage Temperature Coefficient	-0.29%/K	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.05%/K		
Power Temperature Coefficient	-0.39%/K		

Material Characteristics

Dimensions	1680×990×35mm (L×W×H)	
Weight	18.7kg	
Frame	Anodized aluminum profile	
Front Glass	White toughened safety glass, 3.2 mm	
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)	
Back Sheet	Composite film	
Cells	12×10 pieces monocrystalline solar cells series strings (156.75mm×78.375mm)	
Junction Box	Rated current≥13A, IP≥67, TUV&UL	
Cable&Connector	Length 400 mm, 1×4 mm ² , compatible with MC4	

Packaging

System Design

Dimensions(L×W×H)	1720×1110×1120mm	Temperature Range	-40 °C to + 85 °C
Container20'	360	Withstanding Hail	Maximum diameter of 25 mm with impact
Container40'	780		speed of 23 m·s-1
Container40'HC	845	Maximum Surface Load	5,400 Pa
		Application class	class A

