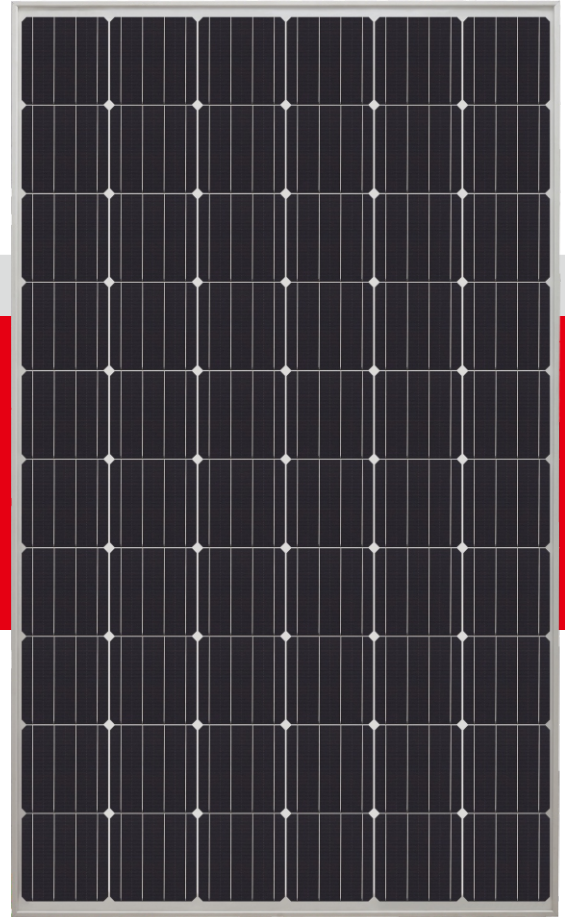


VSUN

Innovative & Smart



VSUN315-60M

VSUN315-60M
VSUN305-60M
VSUN295-60M

VSUN310-60M
VSUN300-60M

19.40%

Module efficiency

10 years

Material & Workmanship warranty

315W

Highest power output

25 years

Linear power output warranty



PID-free



World class poly efficiency



Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation



Positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



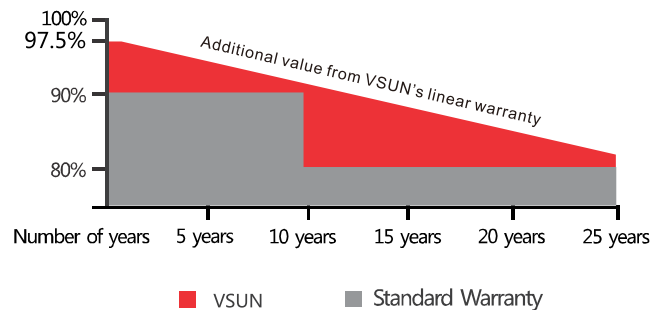
Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



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



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

Vietnam Sunergy Company Limited (VSUN) is a global company providing high-performance solar modules for reliable green power generation.

Through strict selection of raw materials, stringent quality control and rigorous tests, VSUN always commits to higher efficiency, more stable and better cost effective products supply.

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

Note:

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Originated from Japan
vsun@vietnamsunergy.com
www.vsun-solar.com

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN315-60M	VSUN310-60M	VSUN305-60M	VSUN300-60M	VSUN295-60M
Maximum Power - Pmax (W)	315	310	305	300	295
Open Circuit Voltage - Voc (V)	40.3	40.2	39.9	39.8	39.1
Short Circuit Current - Isc (A)	9.89	9.8	9.72	9.6	9.44
Maximum Power Voltage - Vmpp (V)	32.8	32.6	32.4	32.2	31.8
Maximum Power Current - Impp (A)	9.6	9.51	9.42	9.31	9.27
Module Efficiency	19.40%	19.09%	18.79%	18.48%	18.17%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Tolerance of Pmp: 0~+3%.
 Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN315-60M	VSUN310-60M	VSUN305-60M	VSUN300-60M	VSUN295-60M
Maximum Power - Pmax (W)	234	230.6	226.8	223	217.9
Open Circuit Voltage - Voc (V)	37.2	37.2	36.9	36.8	36.1
Short Circuit Current - Isc (A)	7.99	7.92	7.85	7.76	7.63
Maximum Power Voltage - Vmpp (V)	31	30.8	30.6	30.4	30.2
Maximum Power Current - Impp (A)	7.55	7.48	7.42	7.33	7.22

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%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Temperature Characteristics

NOCT	45°C (±2°C)	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		

Maximum Ratings

Material Characteristics

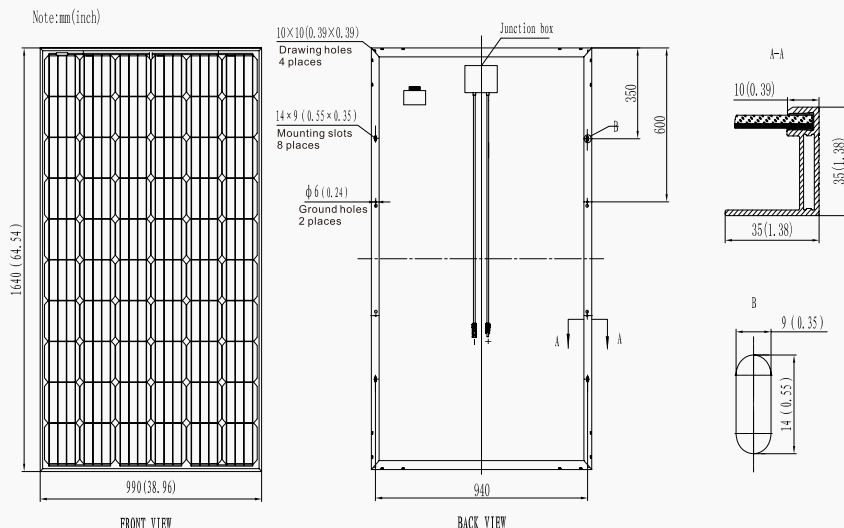
Dimensions	1640×990×35mm (L×W×H)
Weight	18.3kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Glass	Composite film
Cells	6×10 pieces monocrystalline solar cells series strings (156.75mm×156.75mm)
Junction Box	Rated current≥13A, IP≥67, TUV&UL
Cable&Connector	Length 900 mm, 1×4 mm ² , compatible with MC4

Packaging

Dimensions(L×W×H)	1680×1110×1120mm	Temperature Range	-40 °C to + 85 °C
Container 20'	360	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Container 40'	840	Maximum Surface Load	5,400 Pa
Container 40'HC	910	Application class	class A
		Safety class	class II

System Design

Dimensions



IV-Curves

