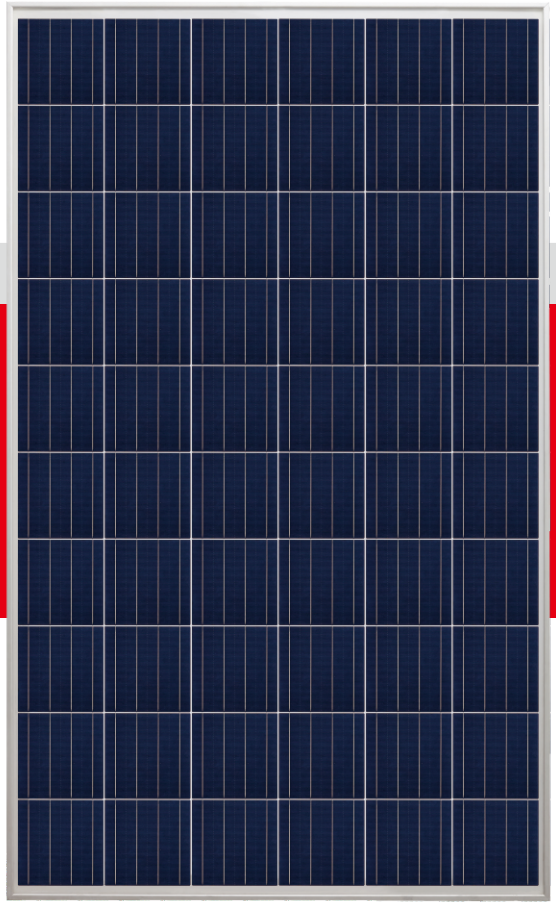
VSUN

Innovative & Smart



VSUN275-60P

VSUN275-60P VSUN270-60P
VSUN265-60P VSUN260-60P

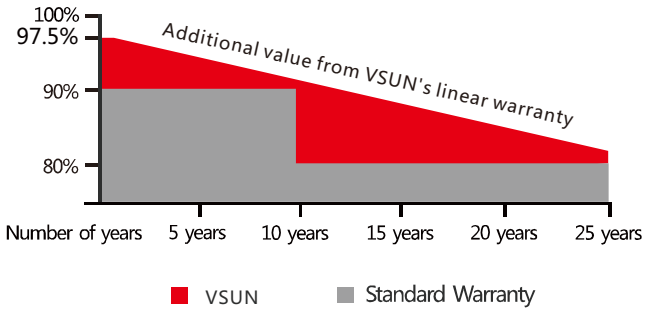
16.94%
Module efficiency

10years
Material & Workmanship warranty

275W
Highest power output

25years
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, founded in 2015 in Vietnam, is a high efficiency photovoltaic module manufacturer with its core business in manufacturing high quality solar modules and providing best services to customers.

With an elaborate plan on capacity, VSUN will deliver more than 500MW/year solar products to residential, commercial, utility and off-grid projects all around the world.

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

Note:

All information and data are subject to change without notice.

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

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN275-60P	VSUN270-60P	VSUN265-60P	VSUN260-60P
Maximum Power - Pmax (W)	275	270	265	260
Open Circuit Voltage - Voc (V)	38.4	38.3	38.2	38.1
Short Circuit Current - Isc (A)	9.27	9.19	9.1	9.01
Maximum Power Voltage - Vmpp (V)	31.3	31.2	31	30.9
Maximum Power Current - Impp (A)	8.79	8.67	8.55	8.43
Module Efficiency	16.94%	16.63%	16.32%	16.01%

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

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN275-60P	VSUN270-60P	VSUN265-60P	VSUN260-60P
Maximum Power - Pmax (W)	204	200	196	191
Open Circuit Voltage - Voc (V)	35.8	35.6	35.5	35.4
Short Circuit Current - Isc (A)	7.48	7.42	7.35	7.27
Maximum Power Voltage - Vmpp (V)	29.2	28.9	28.6	28.4
Maximum Power Current - Impp (A)	7	6.92	6.83	6.75

Normal Operating Cell Temperature((NOCT) : irradiance 800W/m^2; wind speed 1 m/s ; cell temperature 45℃; ambient temperature 20℃.

Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Temperature Characteristics

NOCT	45℃ (±2℃)
Voltage Temperature Coefficient	-0.292%/K
Current Temperature Coefficient	+0.045%/K
Power Temperature Coefficient	-0.408%/K

Maximum Ratings

Maximum System Voltage [V]	1000
Series Fuse Rating [A]	20

Material Characteristics

Dimensions	1640×990×40mm (L×W×H)
Weight	18.6kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6×10 pieces polycrystalline 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

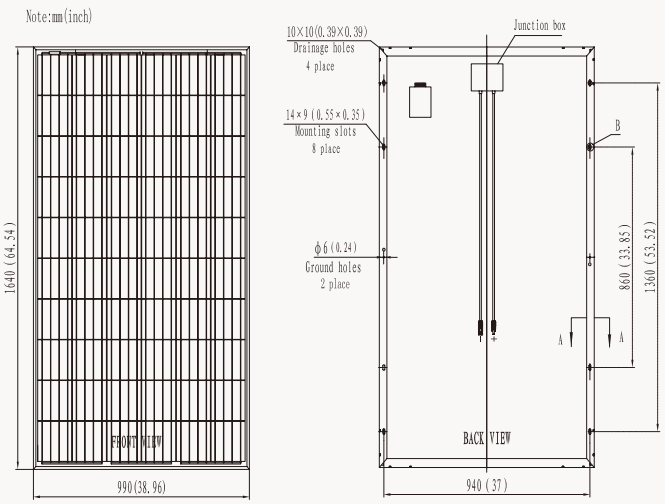
Packaging

Dimensions(LÔWÔH)	1690×1120×112mm
Container20'	312
Container40'	728
Container40'HC	784

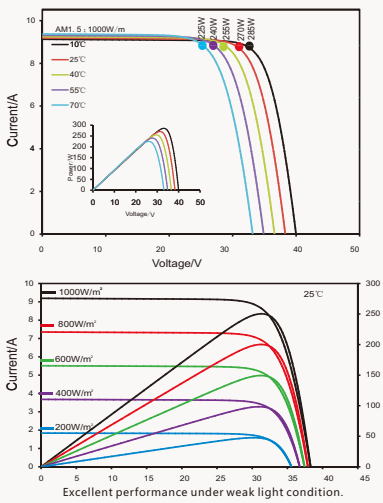
System Design

Temperature Range	-40 °C to + 85 °C
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s^{-1}
Maximum Surface Load	5,400 Pa
Application class	class A
Safety class	class Ⅱ

Dimensions



IV-Curves



Excellent performance under weak light condition.

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