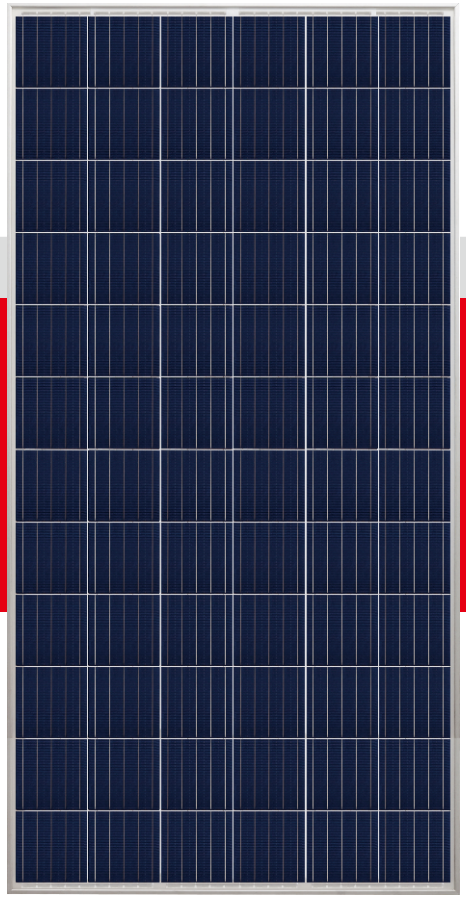
VSUN

Innovative & Smart



VSUN350-72P

VSUN350-72P VSUN345-72P
VSUN340-72P VSUN335-72P
VSUN330-72P

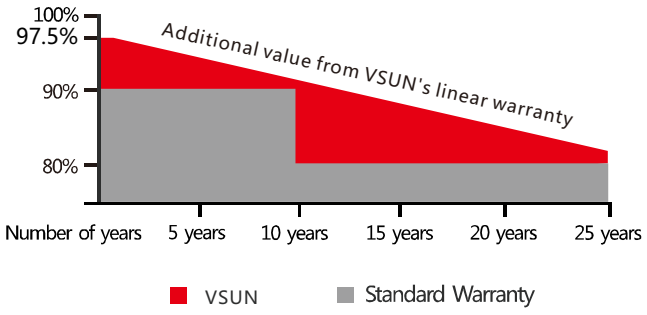
18.07%
Module efficiency

12years
Material & Workmanship warranty

350W
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



Munich RE

- 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 started in Japan in 2006, later spreading to North America, Southeast Asia, and EMEA.

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.

Note:

All information and data are subject to change without notice.

A Sub-company of FUJISOLAR

Engineered in Japan
vsun@vietnamsunergy.com
www.vsun-solar.com

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN350-72P	VSUN345-72P	VSUN340-72P	VSUN335-72P	VSUN330-72P
Maximum Power - Pmax (W)	350	345	340	335	330
Open Circuit Voltage - Voc (V)	46.6	46.5	46.3	46.2	46.1
Short Circuit Current - Isc (A)	9.71	9.6	9.5	9.37	9.28
Maximum Power Voltage - Vmpp (V)	38.3	38.2	38.1	38	37.8
Maximum Power Current - Impp (A)	9.15	9.04	8.94	8.84	8.75
Module Efficiency	18.07%	17.82%	17.56%	17.30%	17.04%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1,5; Cell temperature 25°C. Pmax Sorting : 0~5W. Measuring Tolerance: ±3%.

Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN350-72P	VSUN345-72P	VSUN340-72P	VSUN335-72P	VSUN330-72P
Maximum Power - Pmax (W)	258.1	254.4	250.9	247.4	243.8
Open Circuit Voltage - Voc (V)	43	42.9	42.7	42.6	42.6
Short Circuit Current - Isc (A)	7.84	7.75	7.67	7.56	7.49
Maximum Power Voltage - Vmpp (V)	35.2	35.1	34.9	34.9	34.7
Maximum Power Current - Impp (A)	7.34	7.26	7.19	7.09	7.02

Normal Operating Cell Temperature((NOCT) : irradiance 800W/m2; wind speed 1 m/s, ambient temperature 20°C. Measuring Tolerance: ±3%.

Temperature Characteristics

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

Maximum Ratings

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

Material Characteristics

Dimensions	1956×990×40mm (L×W×H)
Weight	22.0kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Glass	Composite film
Cells	6×12 pieces polycrystalline solar cells series strings (156.75mm×156.75mm)
Junction Box	IP≧67, 3 diodes
Cable&Connector	Length 1200 mm, 1×4 mm^2, compatible with MC4

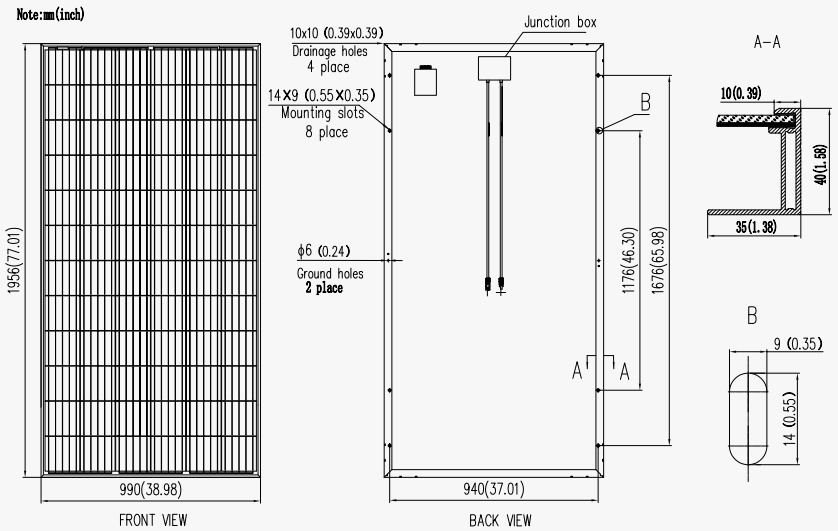
Packaging

Dimensions(L×W×H)	1980×1130×1120mm
Container 20'	270
Container 40'	648
Container 40'HC	708

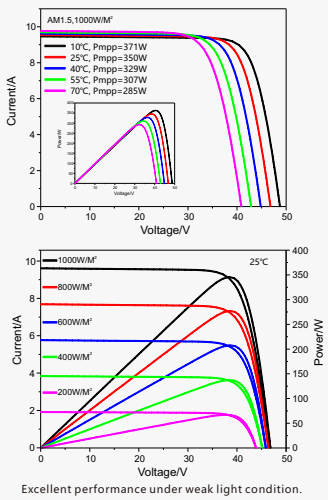
System Design

Temperature Range	-40 °C to + 85 °C
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Maximum Surface Load	5,400 Pa
Application class	class A

Dimensions



IV-Curves



Excellent performance under weak light condition.

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