

# VSUN

Innovative & Smart



## VSUN380-72MH

VSUN380-72MH  
VSUN370-72MH  
VSUN360-72MH

VSUN375-72MH  
VSUN365-72MH

19.62%

Module efficiency

12years

Material & Workmanship warranty

380W

Highest power output

25years

Linear power output warranty



PID-free



World class mono 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



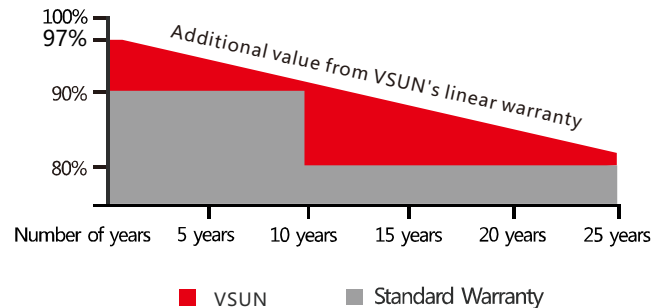
Excellent performance under low light conditions




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:

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A Sub-company of **FUJISOLAR**



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

## Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN380-72MH	VSUN375-72MH	VSUN370-72MH	VSUN365-72MH	VSUN360-72MH
Maximum Power - Pmax (W)	380	375	370	365	360
Open Circuit Voltage - Voc (V)	48.5	48.3	48.1	47.9	47.7
Short Circuit Current - Isc (A)	10.01	9.92	9.83	9.75	9.67
Maximum Power Voltage - Vmpp (V)	40	39.8	39.6	39.4	39.2
Maximum Power Current - Imp (A)	9.51	9.43	9.35	9.27	9.19
Module Efficiency	19.62%	19.37%	19.11%	18.85%	18.59%

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; 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	VSUN380-72MH	VSUN375-72MH	VSUN370-72MH	VSUN365-72MH	VSUN360-72MH
Maximum Power - Pmax (W)	281	277.3	273.6	269.9	266.3
Open Circuit Voltage - Voc (V)	44.8	44.6	44.5	44.3	44.1
Short Circuit Current - Isc (A)	8.09	8.02	7.94	7.88	7.81
Maximum Power Voltage - Vmpp (V)	36.9	36.8	36.6	36.4	36.3
Maximum Power Current - Imp (A)	7.61	7.54	7.47	7.41	7.35

Normal Operating Cell Temperature( NOCT) : irradiance 800W/m<sup>2</sup>; wind speed 1 m/s, ambient temperature 20°C. Measuring Tolerance: ±3%.

## Temperature Characteristics

NOCT	45°C ( ±2°C )
Voltage Temperature Coefficient	-0.29%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.39%/°C

## Maximum Ratings

Maximum System Voltage [V]	1500
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 monocrystalline solar cells series strings (156.75mm×156.75mm)
Junction Box	IP≥67, 3 diodes
Cable&Connector	Length 1200 mm, 1×4 mm <sup>2</sup> , compatible with MC4

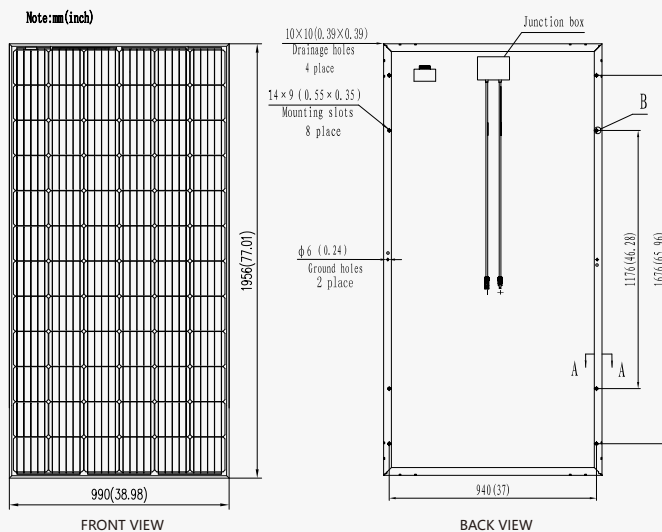
## Packaging

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

